

# VAERS Summary for COVID-19 Vaccines through 7/8/2022

All charts and tables below reflect the data release on 7/15/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/8/2022**.

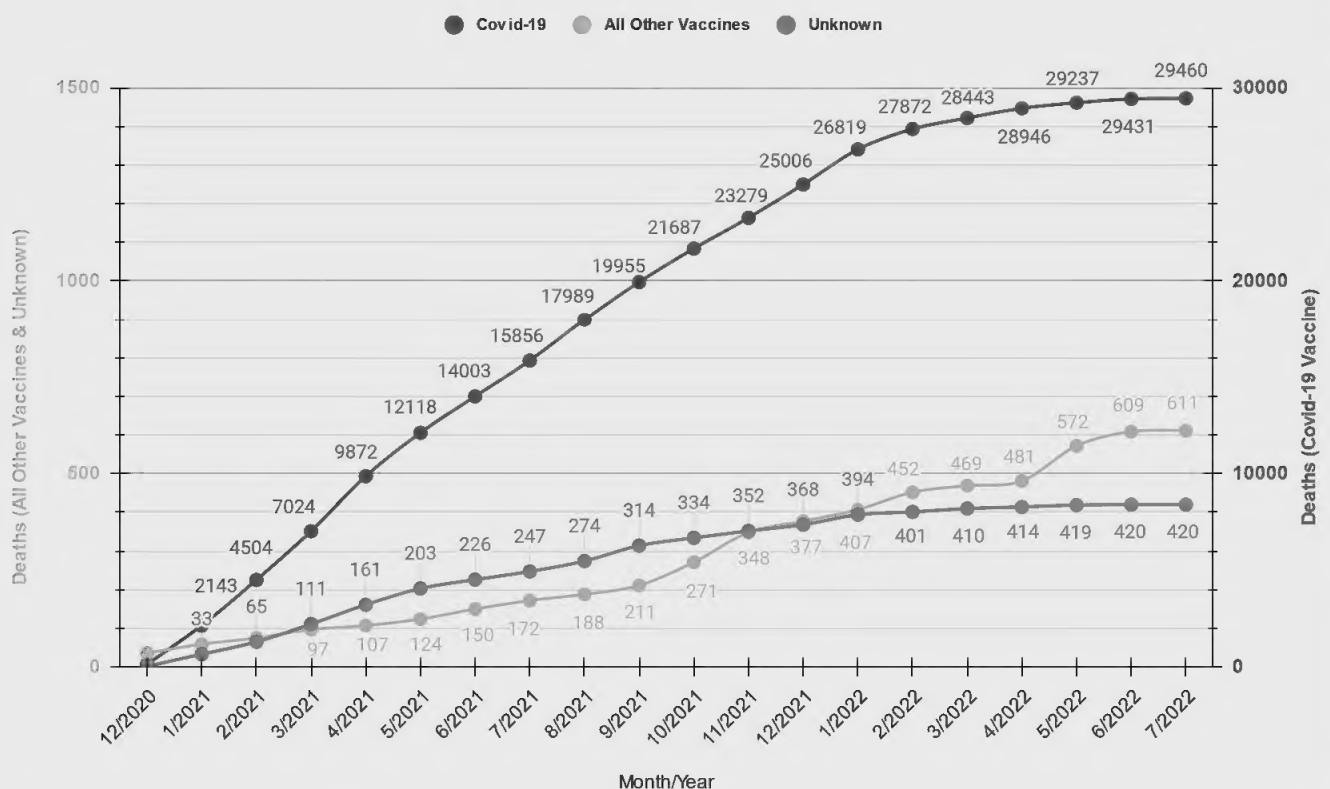
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec'2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,341,608	887,500	842,576	771,206
Number of Life-Threatening Events	32,772	14,606	12,874	10,007
Number of Hospitalizations	166,848	84,698	65,277	39,388
Number of Deaths	29,460*	9,853*	13,604	5,374
# of Permanent Disabilities after vaccination	55,008	21,206	14,387	13,098
Number of Office Visits	198,324	52,144	165,787	49,769
# of Emergency Room/Department Visits	131,621	213,693	101,148	204,009
# of Birth Defects after vaccination	1,125	200	532	108

\*Note that the total number of deaths associated with the COVID-19 vaccines is more than double the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

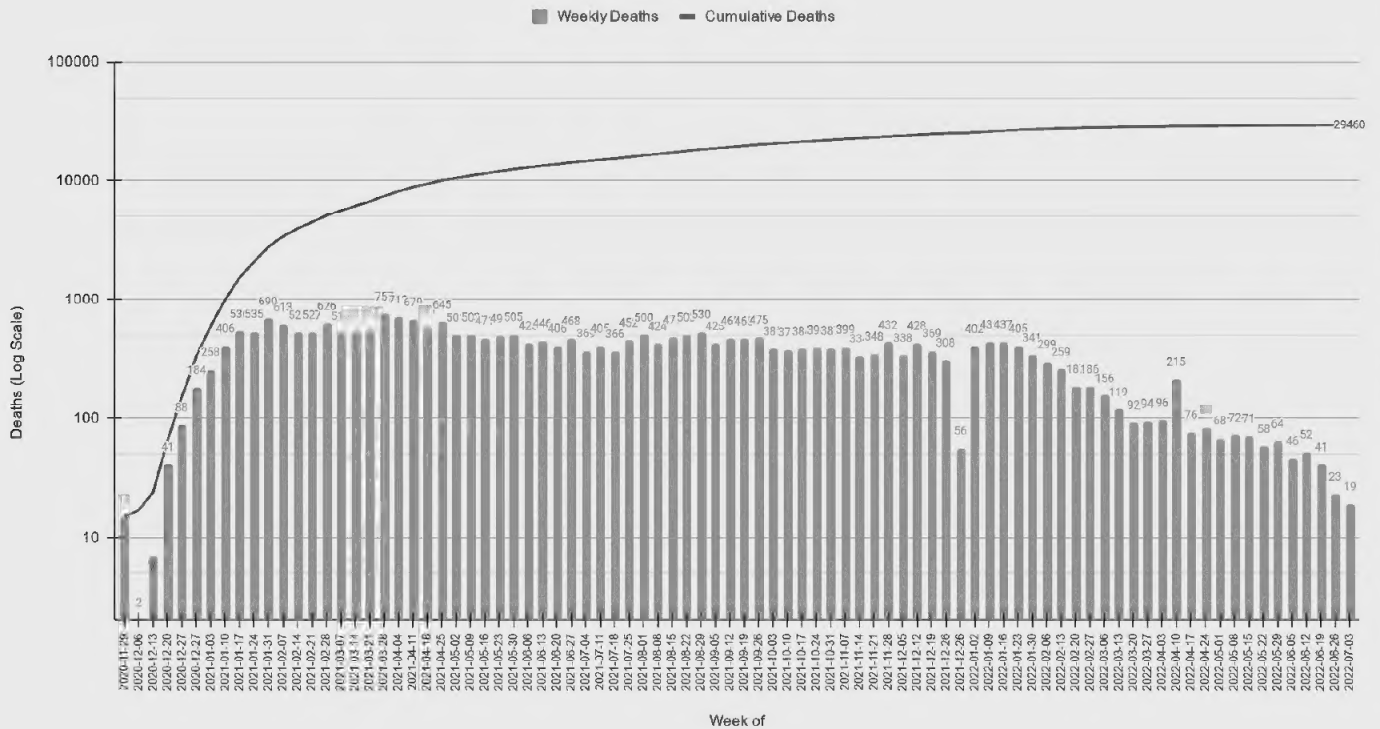
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in a majority of cases the Unknowns are actually Covid-19]

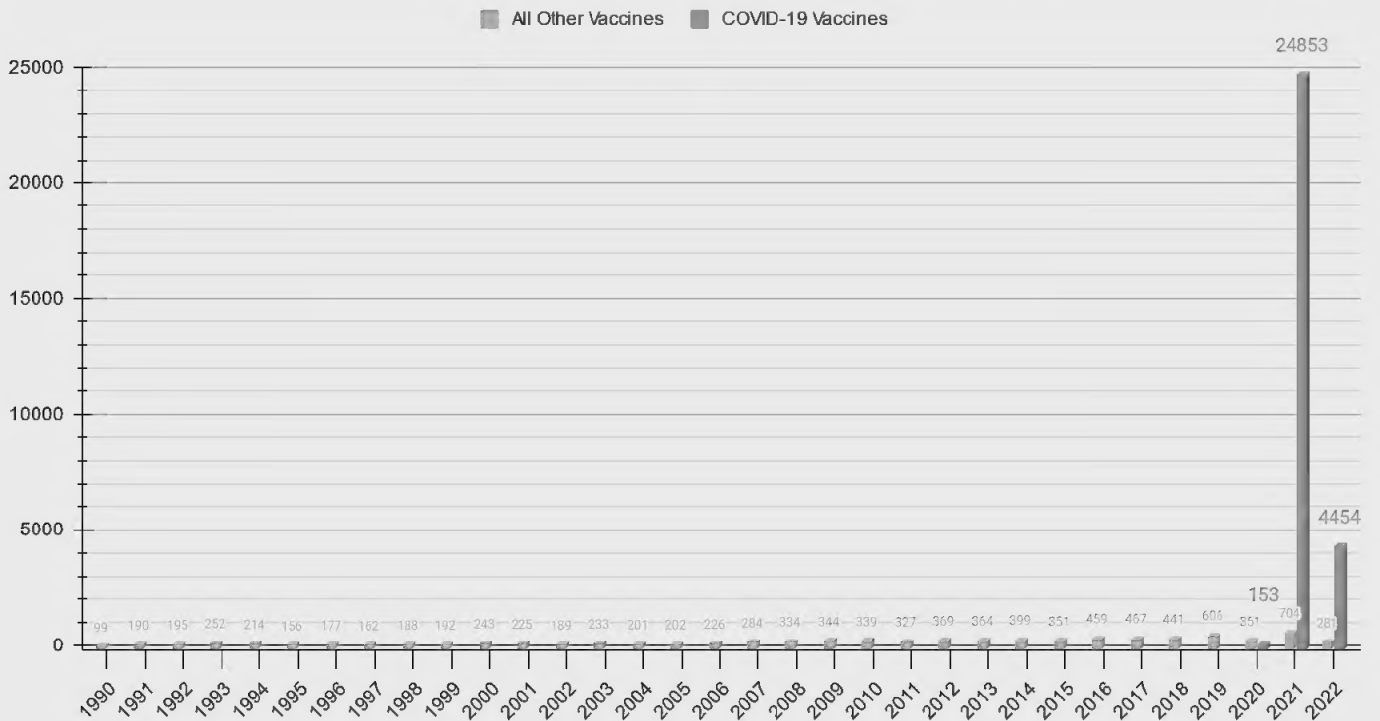
## Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



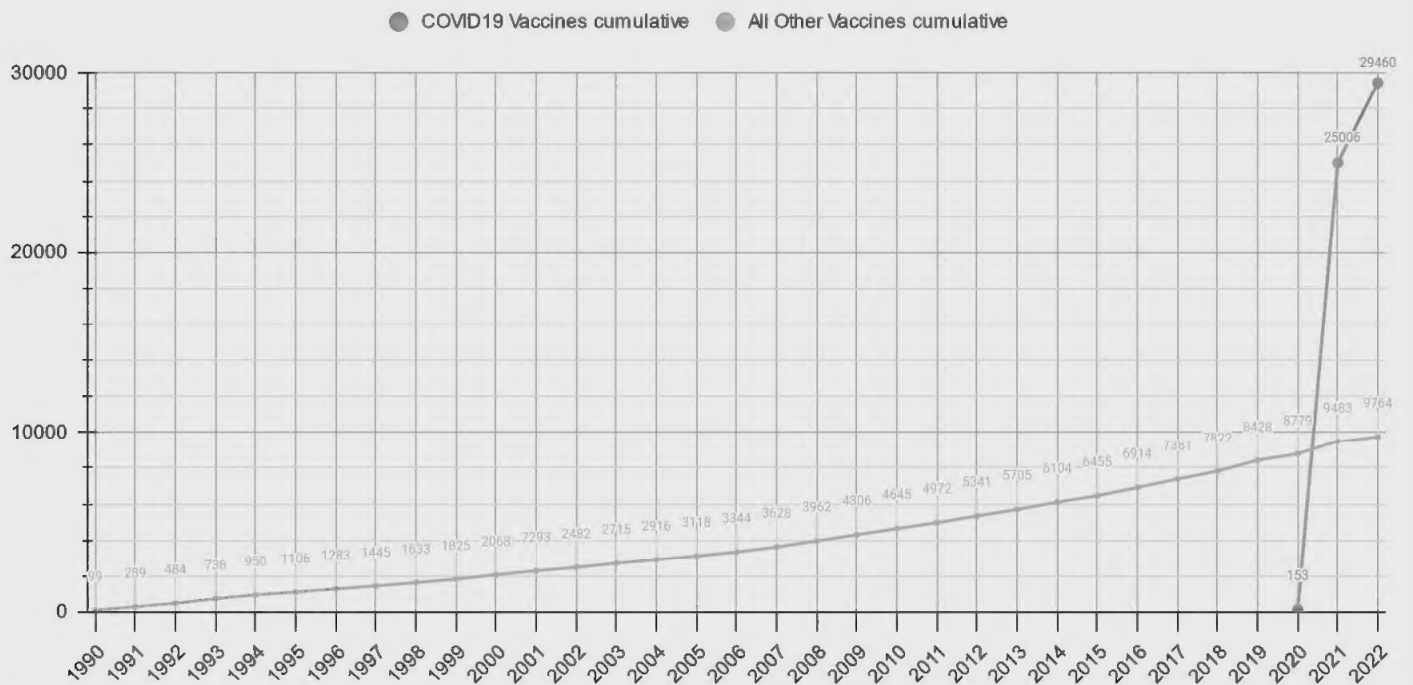
## Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



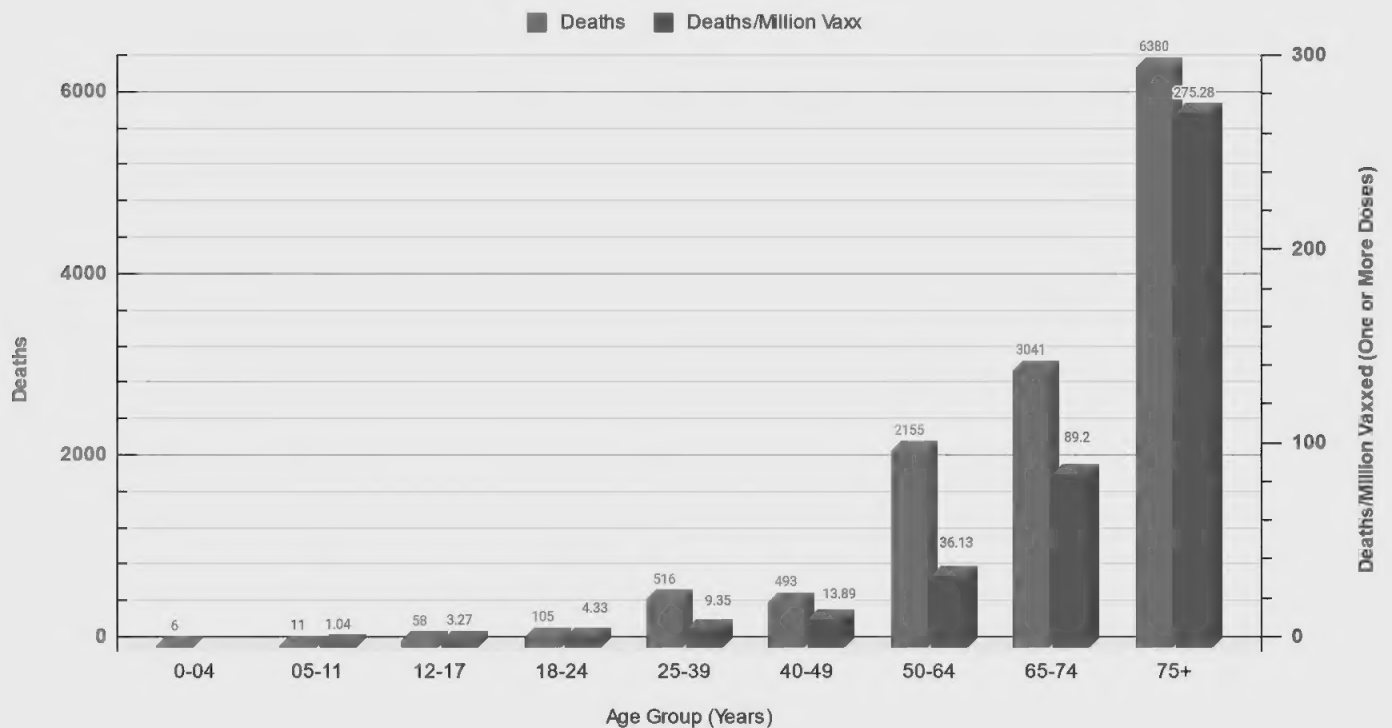
## Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



## Age Stratification of Deaths After COVID-19 Vaccination US Data Only

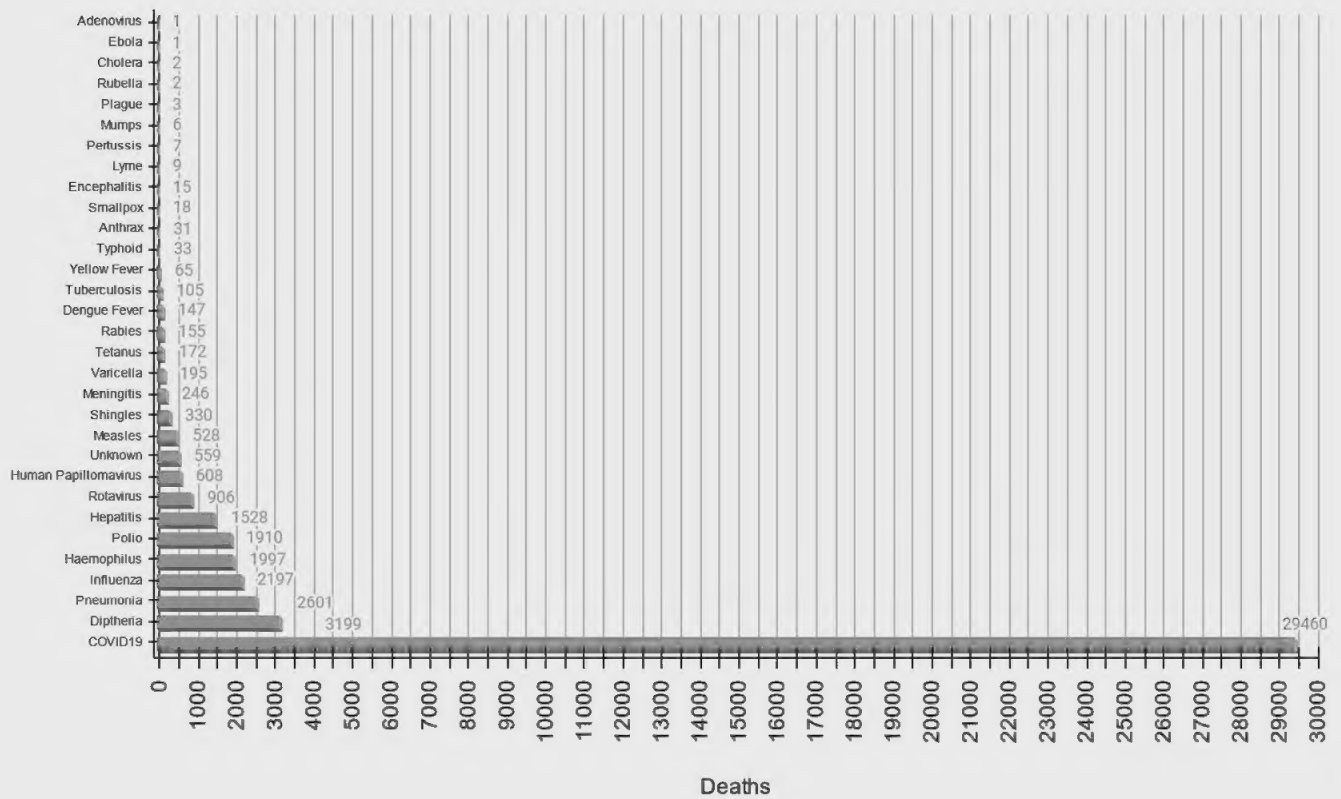
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

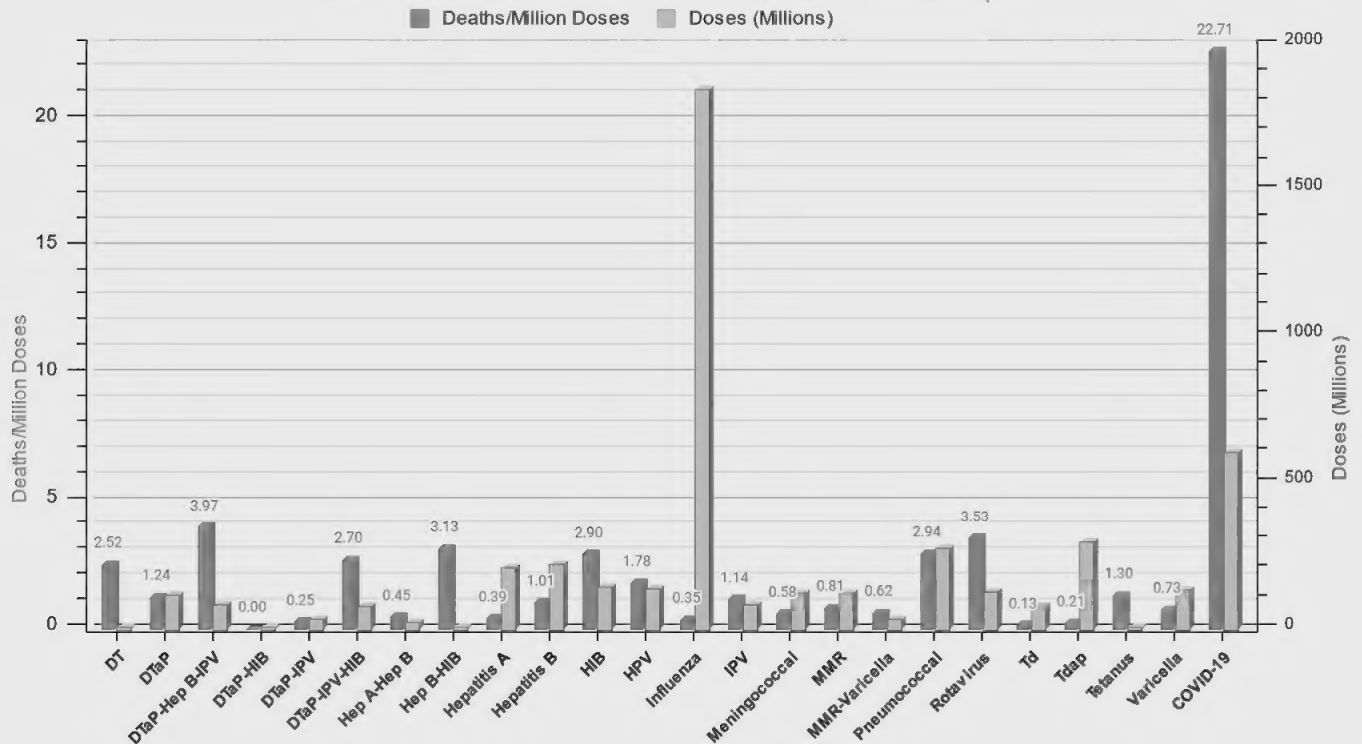
## Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



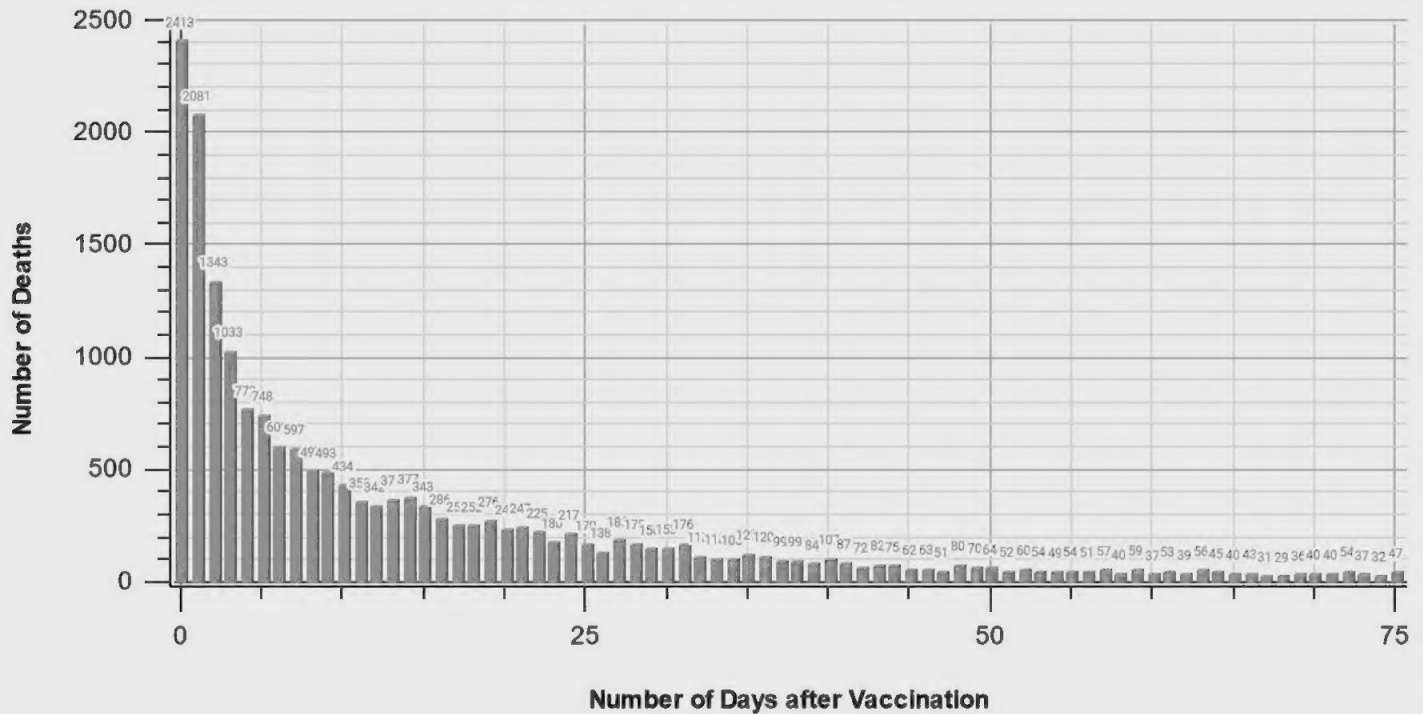
## Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

Data Obtained from CDC's VAERS and NVICP data & statistics report



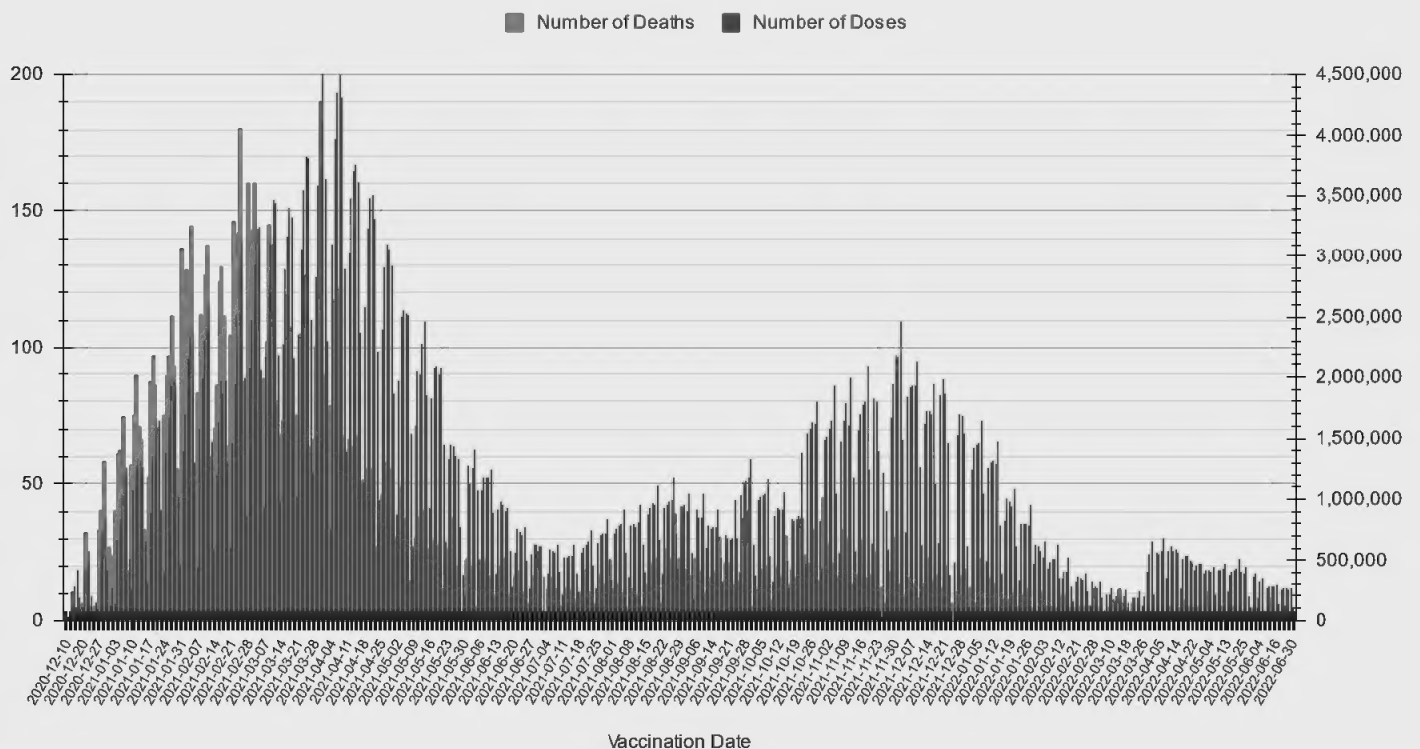
## Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



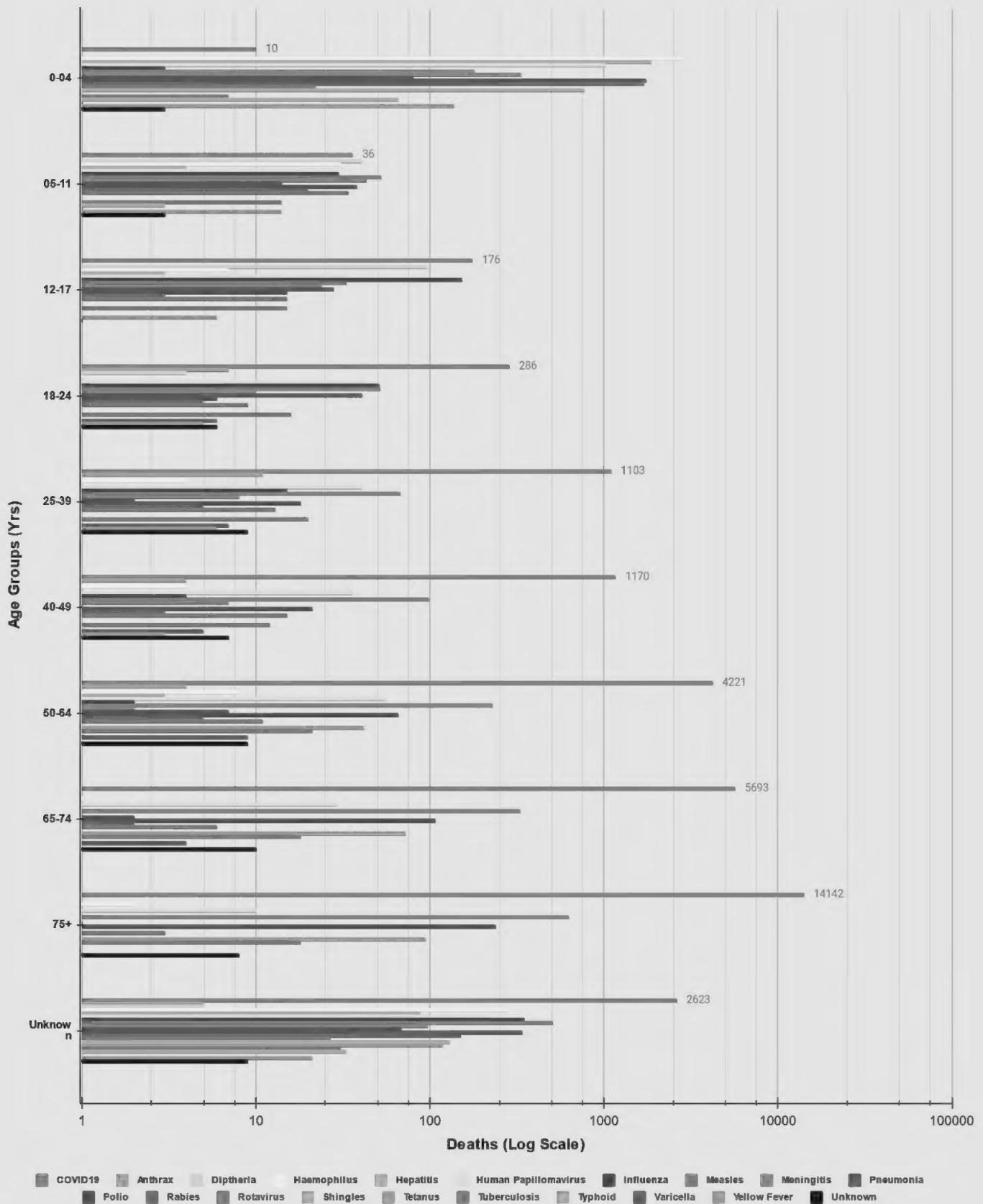
## Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



# Age Stratification of Deaths By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS

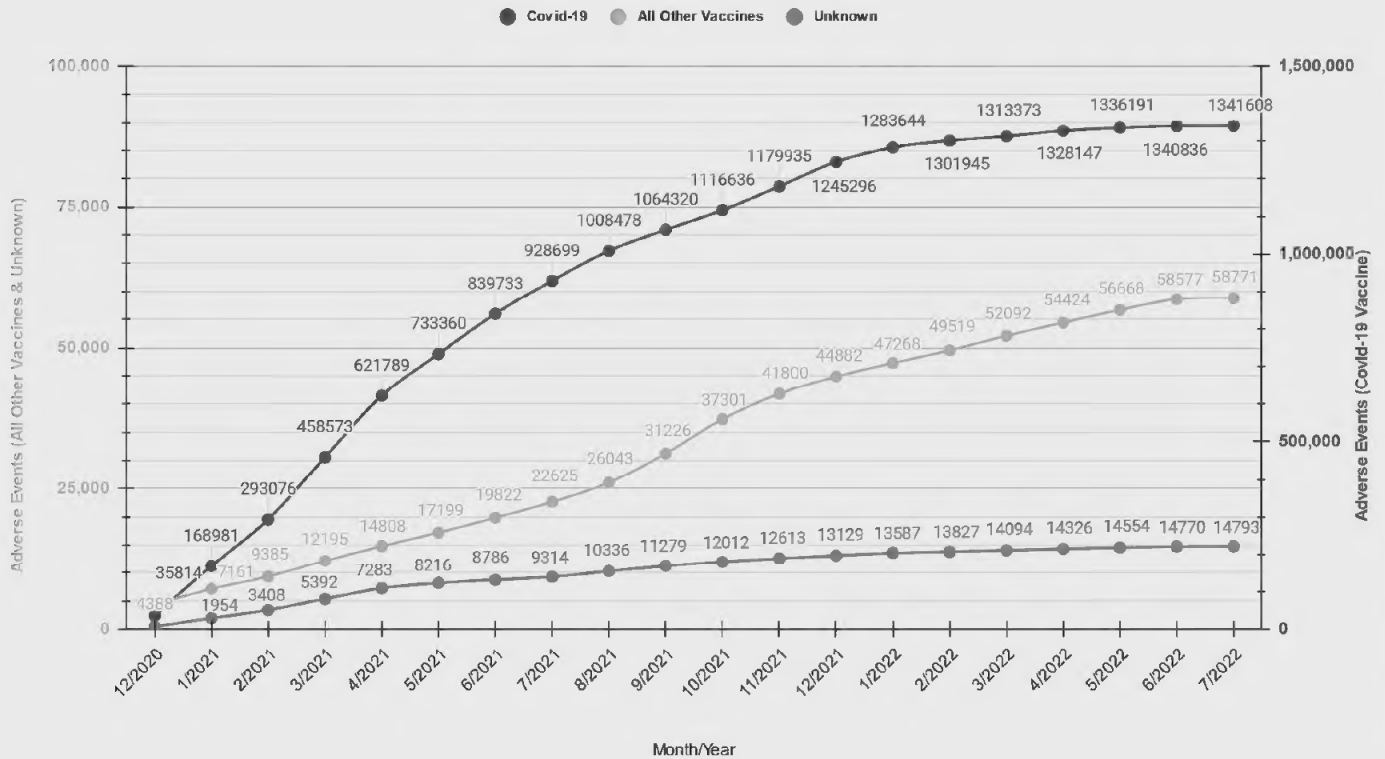


[Vaccines not included above (due to n < 20 overall deaths): Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

## Adverse Events

### Cumulative Reported AEs After Vaccination - 1.5 Year Summary

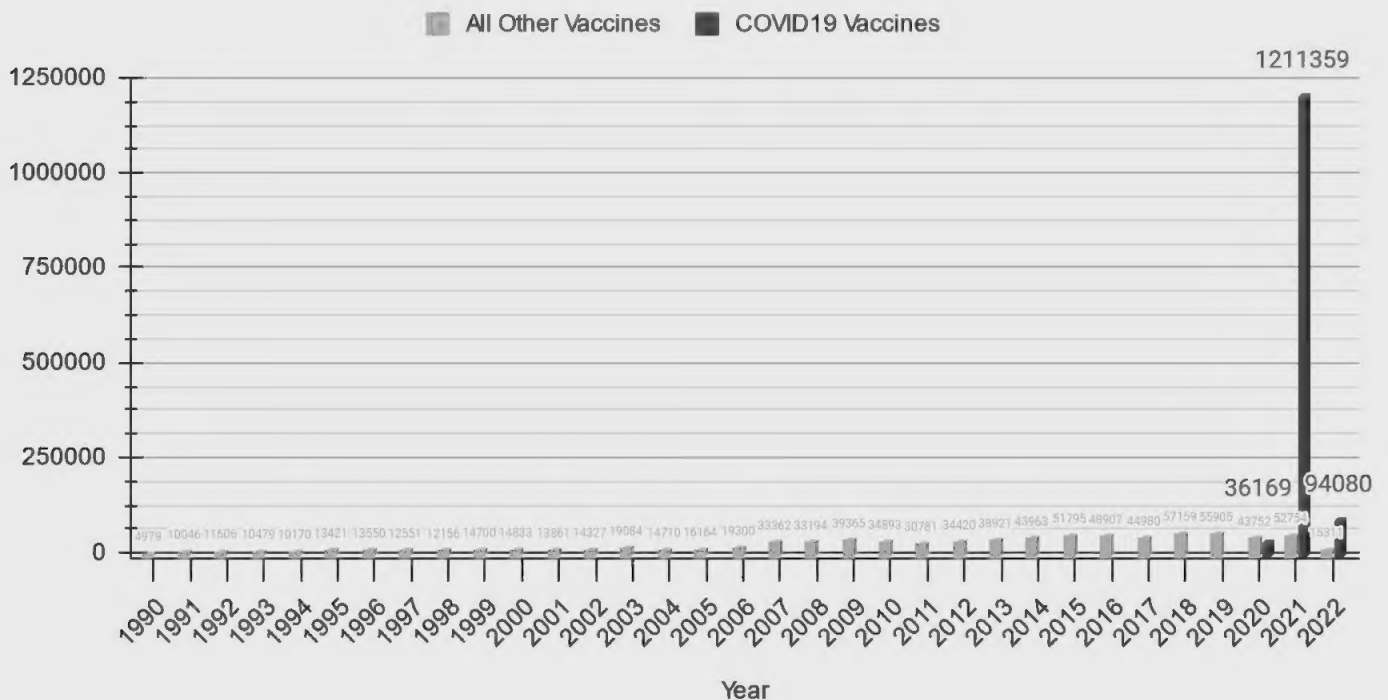
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in many cases the Unknowns are actually Covid-19]

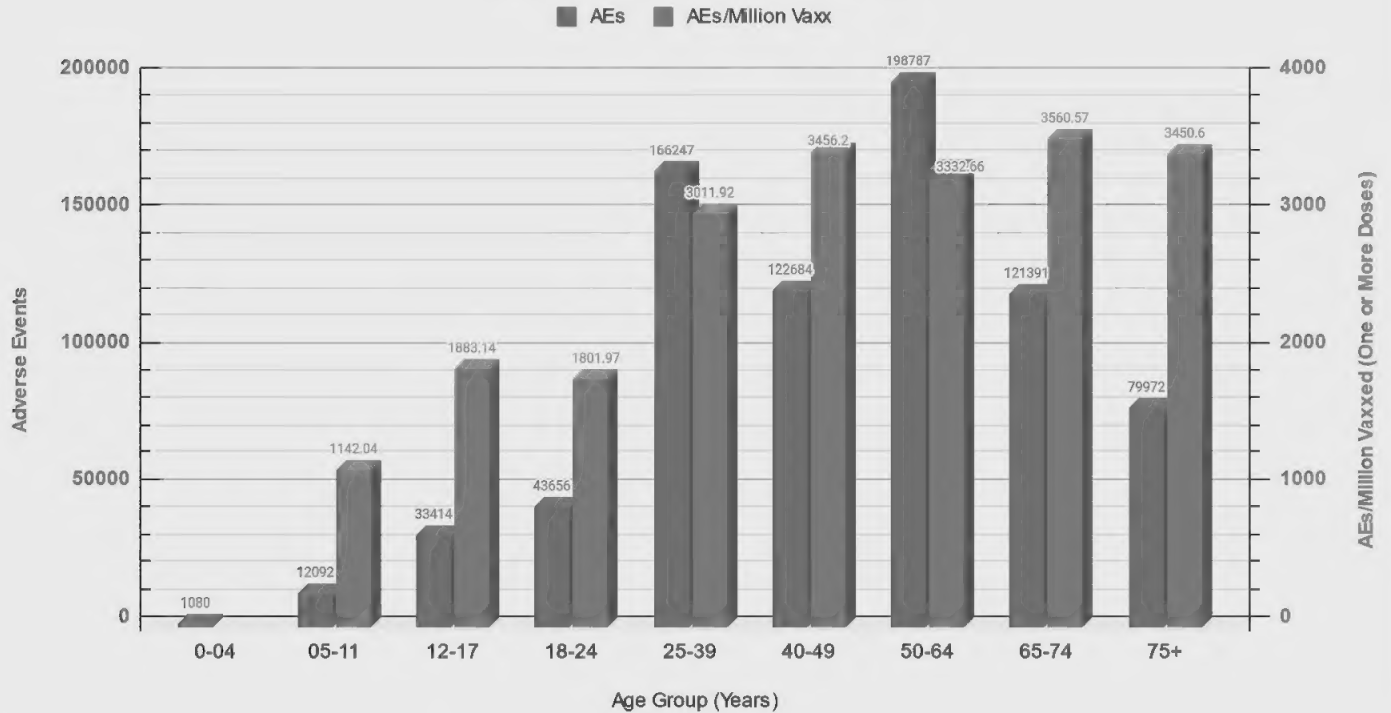
### Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



## Age Stratification of Adverse Events After COVID-19 Vaccination US Data Only

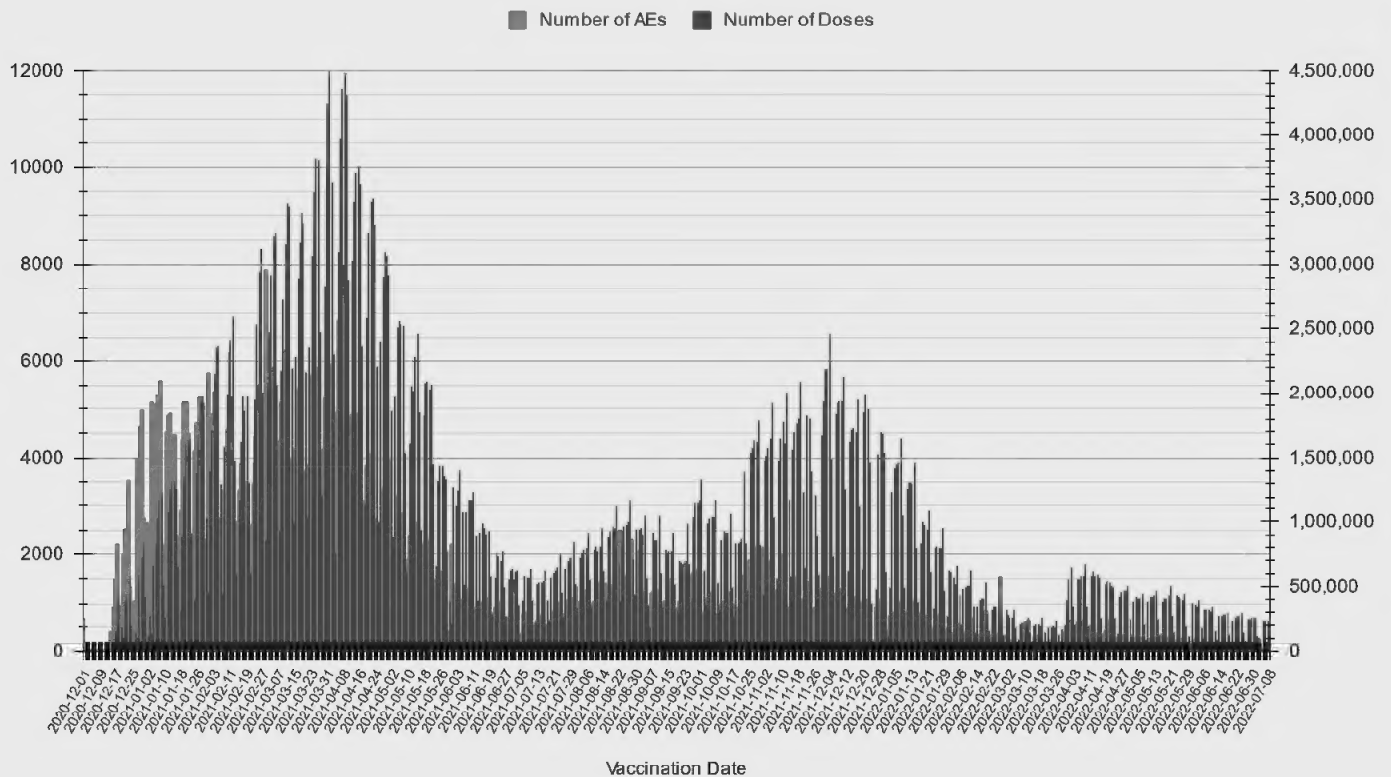
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

## Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

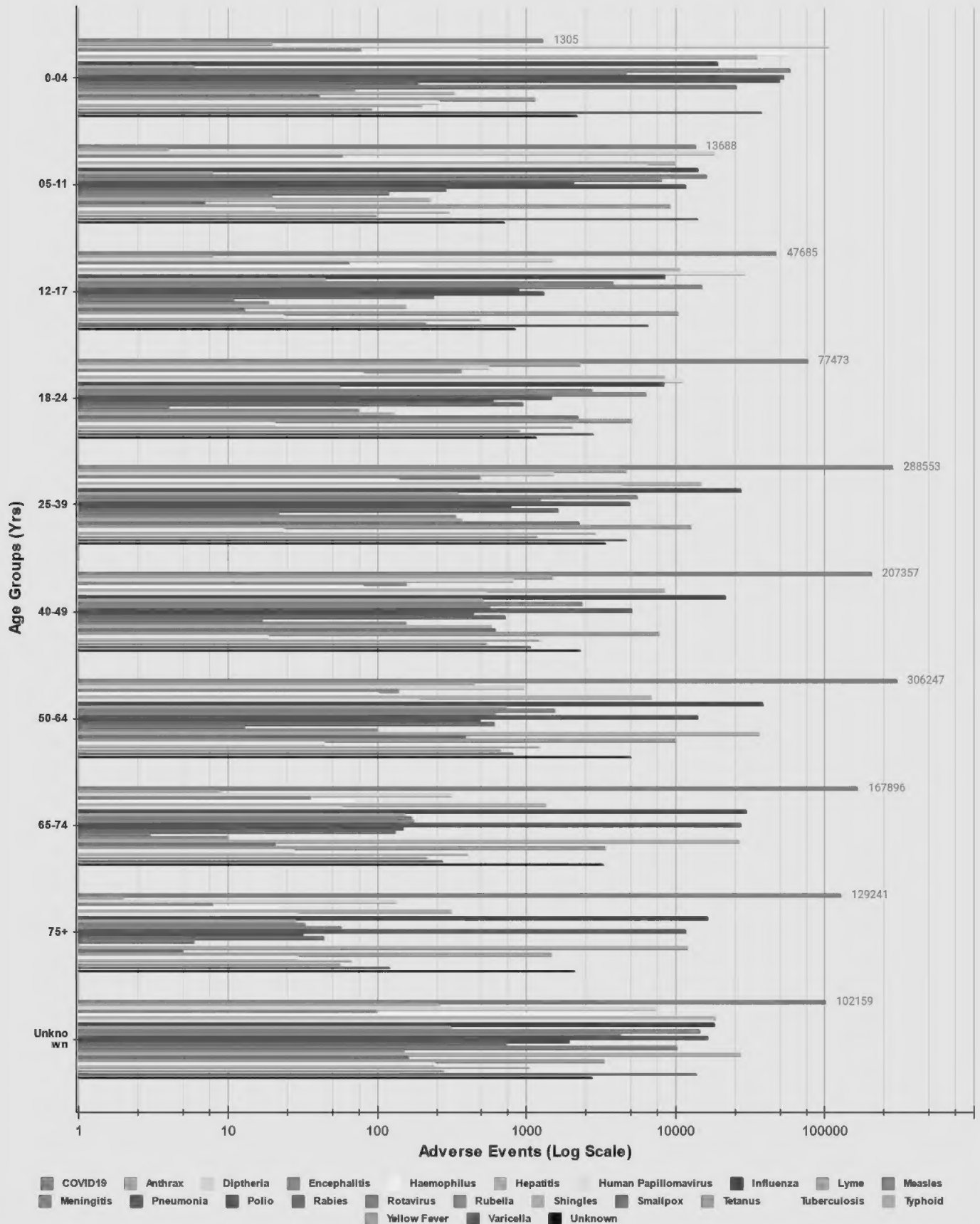
Data Obtained from CDC's VAERS





# Age Stratification of Adverse Events By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS



[Vaccines not included above (due to n < 500 overall AEs): Adenovirus, Cholera, Dengue Fever, Ebola, Mumps, Pertussis, Plague]

## Symptoms

The slide below was taken from an FDA document from October 22, 2020 and provides a list of possible adverse event outcomes related to the Covid-19 vaccines.

- Source: [Vaccines and Related Biological Products Advisory Committee October 22, 2020 Meeting Presentation](#)

**FDA Safety Surveillance of COVID-19 Vaccines :**  
**DRAFT Working list of possible adverse event outcomes**  
**\*\*\*Subject to change\*\*\***

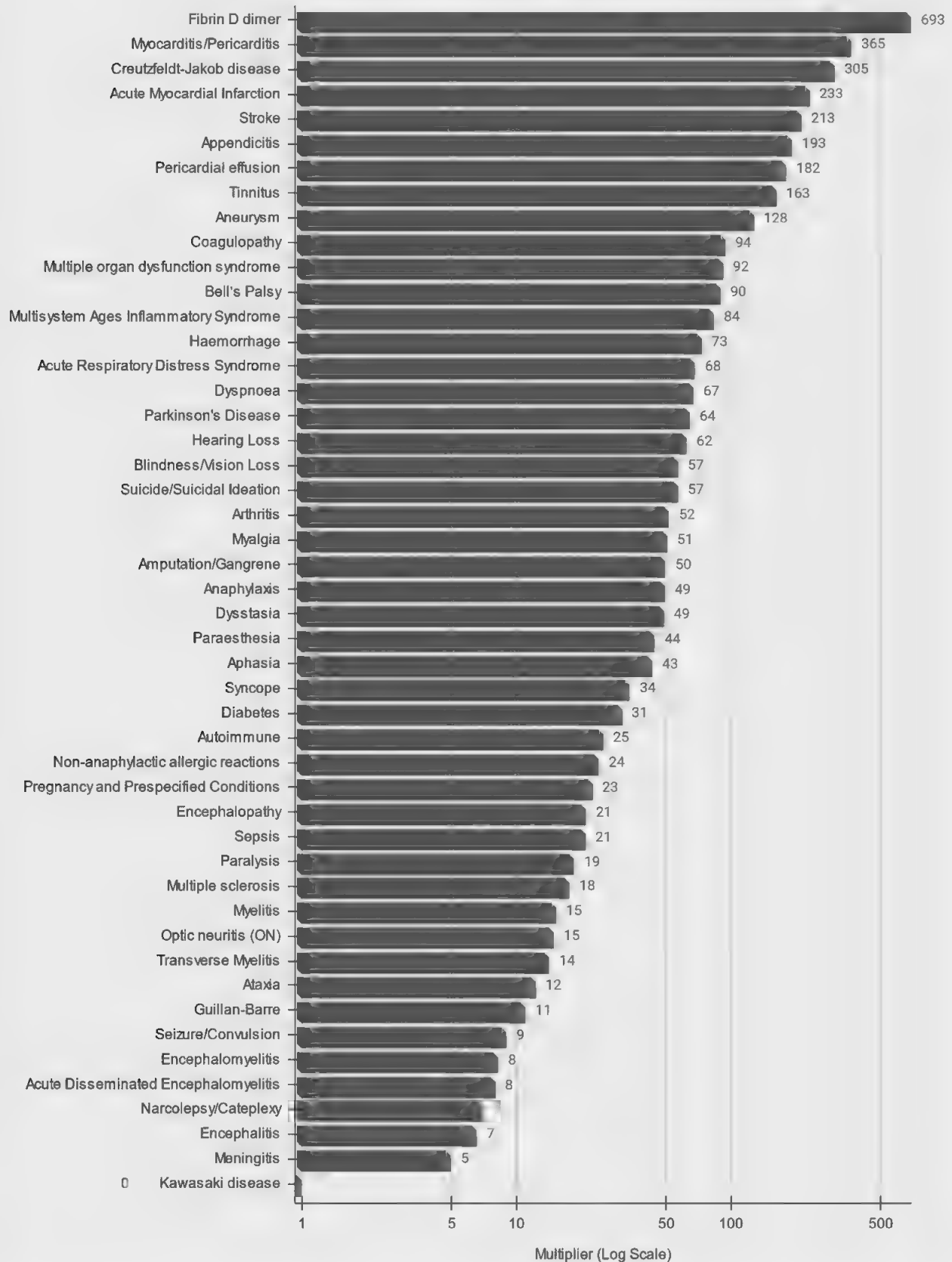
- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- Autoimmune disease
- Deaths
- Pregnancy and birth outcomes
- Other acute demyelinating diseases
- Non-anaphylactic allergic reactions
- Thrombocytopenia
- Disseminated intravascular coagulation
- Venous thromboembolism
- Arthritis and arthralgia/joint pain
- Kawasaki disease
- Multisystem Inflammatory Syndrome in Children
- Vaccine enhanced disease

The following table lists the number of adverse events found in the VAERS data which match the outcomes listed above:

FDA listed symptom	Total (Non-Lethal) Adverse Events	Total Deaths	Total (Non-Lethal) AEs for All Other Vaccines (1990-present)	Total Deaths for All Other Vaccines (1990-present)
Guillain-Barre	2773	56	4506	142
Acute Disseminated Encephalomyelitis	212	7	448	30
Transverse Myelitis	623	5	847	16
Encephalitis	2582	335	4870	473
Convulsions/Seizures	16379	533	30031	526
Stroke	15998	1451	1623	113
Narcolepsy, Cataplexy	310	6	384	3
Anaphylaxis	49809	189	41393	172
Acute Myocardial Infarction (Heart Attack)	5288	1495	342	155
Myocarditis/Pericarditis	22816	325	977	88
Autoimmune Disease	2001	33	1121	16
Other Acute Demyelinating Diseases	391	7	862	25
Pregnancy and birth outcomes (Miscarriages)	4564	143	2896	49
Other Allergic Reactions	2432	3	2069	3
Thrombocytopenia	6075	473	3607	135
Disseminated Intravascular Coagulation	262	89	60	25
Venous Thromboembolism	25351	1499	681	114
Arthritis and Arthralgia/Joint Pain	80879	276	29118	78
Kawasaki Disease	94	2	717	9
Systemic Inflammatory Response Syndrome	896	61	367	5

# Average Annual Adverse Events by Symptom for Covid-19 Vaccines as a Multiple of All Other Vaccines Combined since 1990

(Data from VAERS through 7/1/22)



## Vaccination Related Risks of Covid-19 vs. Flu

These set of figures compare the COVID19 vaccine to the traditional Flu vaccines. 'Risk of Death' percentages depend on the '# of Vaccinations' data, which is only approximate, and was pulled from the [CDC's report](#) on Flu vaccination coverage for the 2019-2020 season, and from [CDC's Vaccination Trends in the US](#) for the COVID19 vaccinations.

**Covid19 vaccinations through 5/31/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)**

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642 <sup>[1]</sup>	33	1 in 5,074,171	0.000020%	.20
COVID19	173,467,605 <sup>[2]</sup>	5,796	1 in 29,929	0.003341%	33.41
<b>Risk of dying from COVID vaccine is 170 times greater than Flu Vaccine</b>					

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,467,605	565,475	1 in 307	0.325983%	3,259.83
<b>Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine</b>					

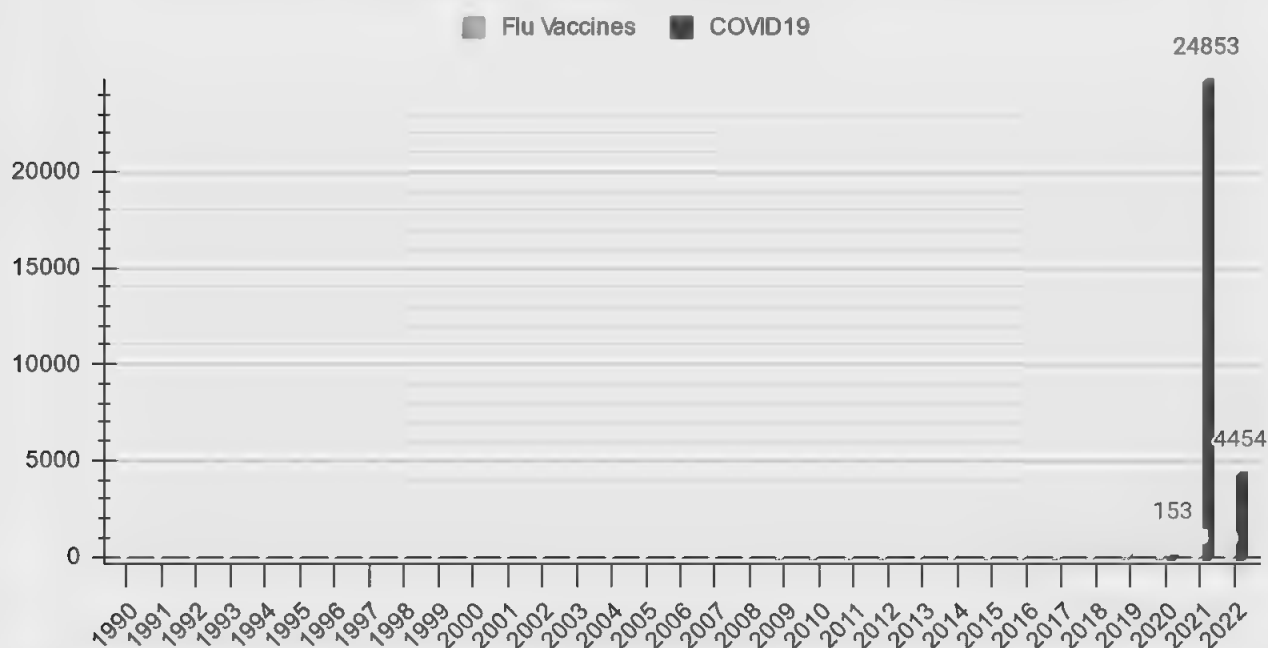
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [CDC's Vaccination Trends in the US](#)

[3] Persons vaccinated with at least one dose

## Reported Deaths by Year, COVID19 vs. Flu Vaccines

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	2563	8.67%	5.16	1649	18,842,565	87.51	497	2/26/21
Moderna	7770	26.28%	13.7	5693	225,820,815	25.21	567	12/18/20
Pfizer/Biontech	19066	64.48%	33.22	6246	354,009,502	17.64	574	12/11/20
Unknown	170	0.57%		56	616,231			

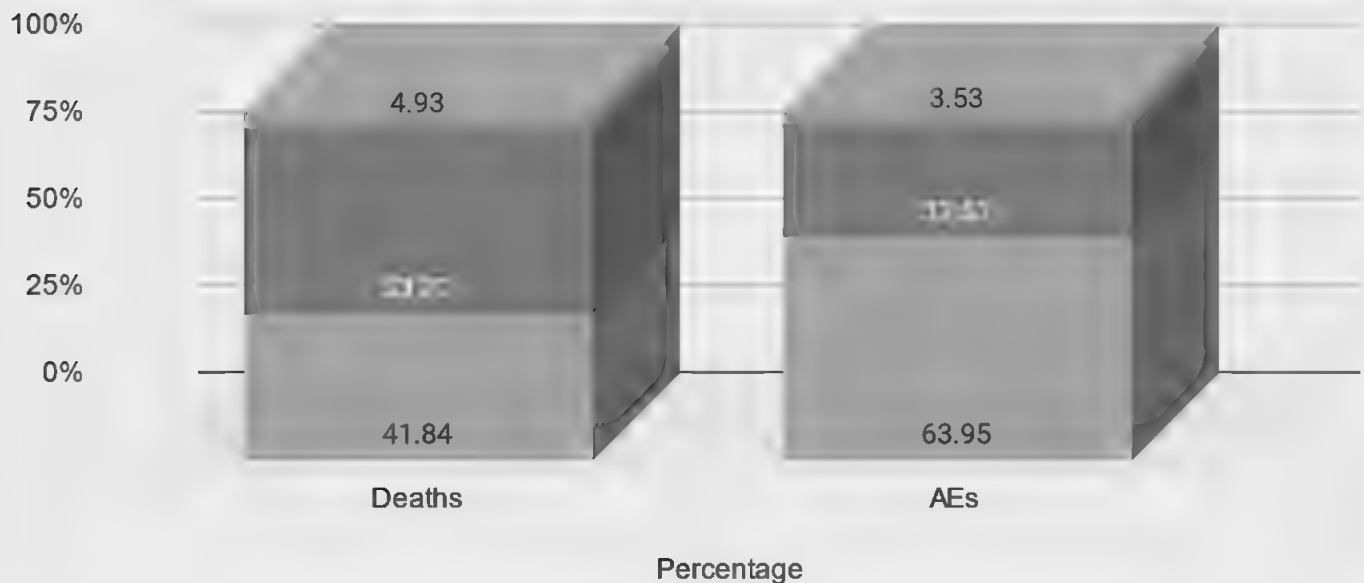
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	92190	6.84%	185.49	69756	18,842,565	3702.04	497	2/26/21
Moderna	460501	34.17%	812.17	384034	225,820,815	1700.61	567	12/18/20
Pfizer/Biontech	789167	58.56%	1374.86	388872	354,009,502	1098.48	574	12/11/20
Unknown	5706	0.42%		3111	616,231			

## Vaccine Data by Gender

### Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

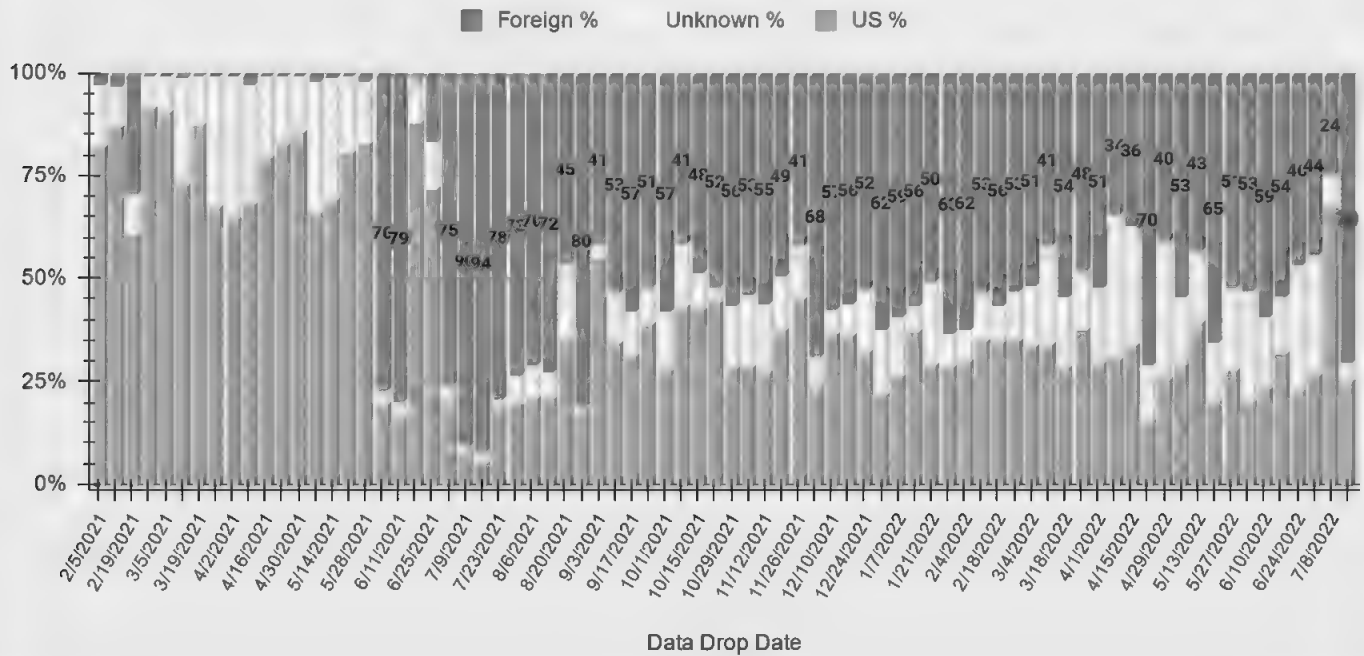
Unknown Male Female



## Vaccine Data by Location

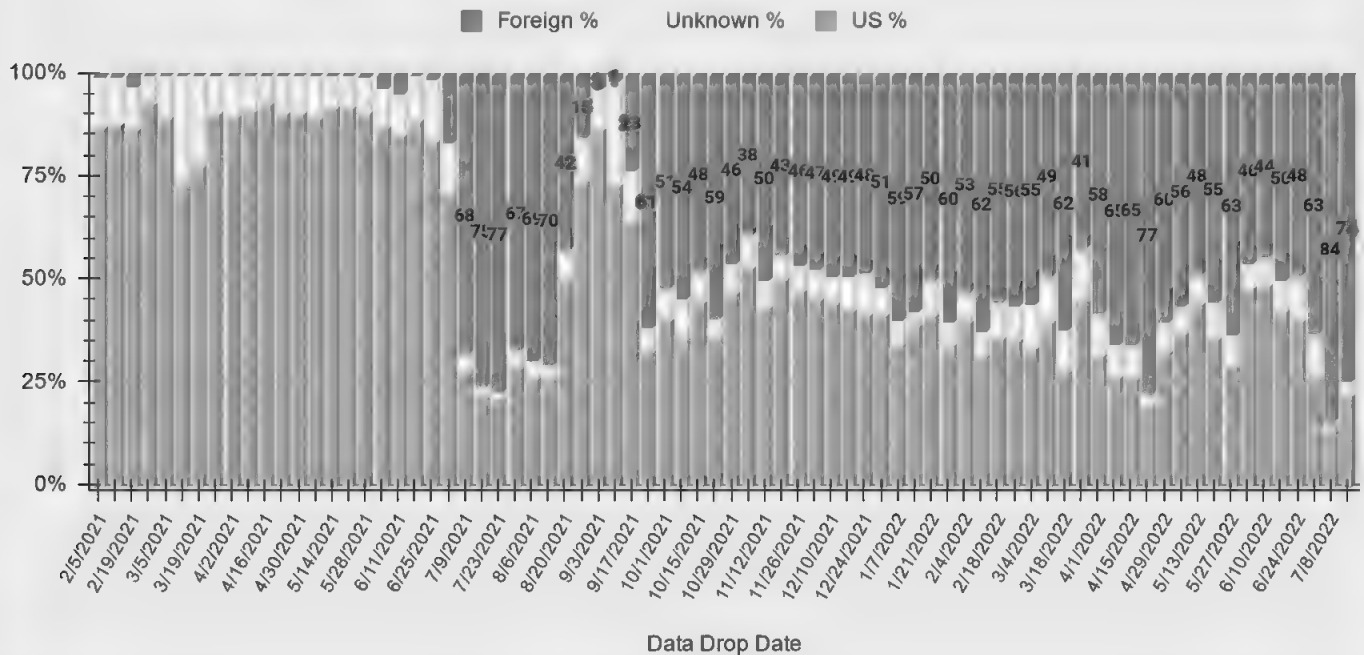
### Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



### Distribution by Location of Reported Adverse Events after COVID19 Vaccination

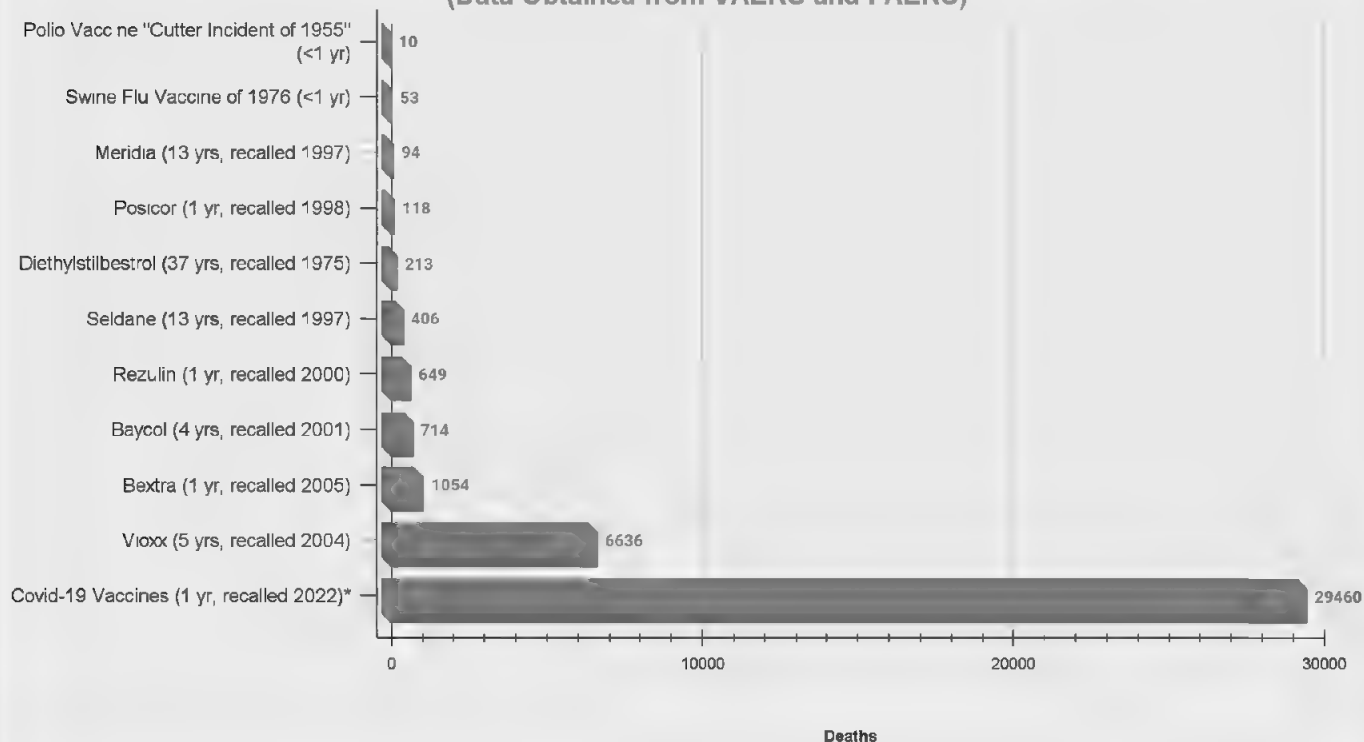
All Data Obtained from CDC's VAERS



## Recall History

### Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



\*Projected

## Sources

Visit: [vaersanalysis.info](https://vaersanalysis.info) for more information

1. Vaccine data (Covid-19 and other vaccines) taken from CDC's VAERS website, located here: <https://vaers.hhs.gov/data/datasets.html>. VAERS data sets in the form of csv files are pulled down weekly and put into a database for reporting/analysis. Data files are available all the way back to 1990.
2. Number of doses distributed for other vaccines found in NVICP Data and Statistics report here: <https://www.hrsa.gov/sites/default/files/hrsa/vaccine-compensation/data/data-statistics-report.pdf>
3. Numbers for Covid-19 vaccines administered by manufacturer found here: [https://covid.cdc.gov/covid-data-tracker/#vaccinations\\_vacc-total-admin-rate-total](https://covid.cdc.gov/covid-data-tracker/#vaccinations_vacc-total-admin-rate-total)
4. Numbers for total Covid-19 vaccine doses administered found here: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccination-Trends-in-the-United-States-N/rh2h-3yt2>
5. Numbers for Flu vaccine doses administered for 2019-2020 season found here: <https://www.cdc.gov/flu/fluview/covaxview/covaxview-1920estimates.htm>
6. Numbers for FDA regulated drugs taken from FDA's FAERS website, located here: <https://www.fda.gov/drugs/questions-and-answers-fdas-adverse-event-reporting-system-faers/fda-adverse-event-reporting-system-faers-public-dashboard>

# VAERS Summary for COVID-19 Vaccines through 7/1/2022

All charts and tables below reflect the data release on 7/8/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **7/1/2022**.

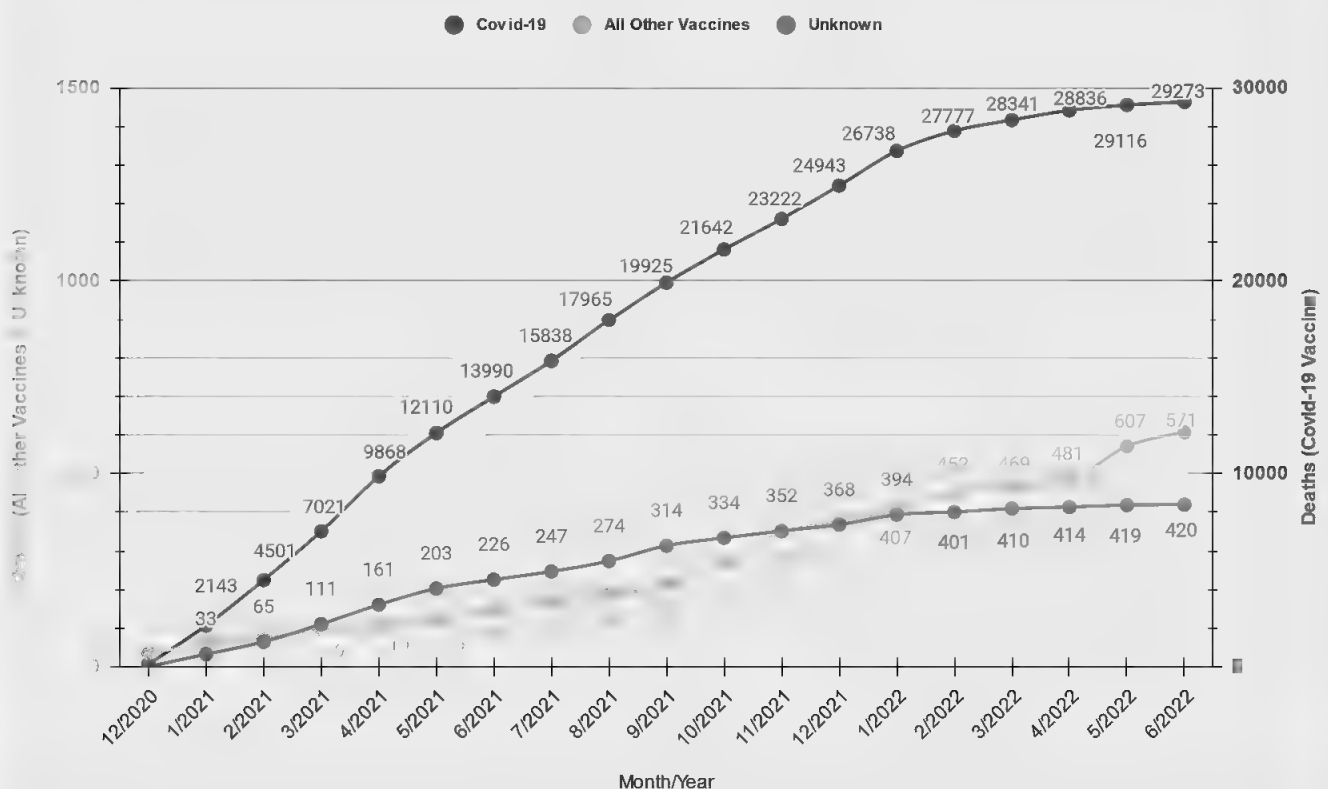
High-Level Summary	COVID19 vaccines (Dec '2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec 2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,328,985	886,715	839,300	770,433
Number of Life-Threatening Events	32,598	14,605	12,851	10,006
Number of Hospitalizations	165,715	84,683	64,930	39,376
Number of Deaths	29,273*	9,850*	13,547	5,371
# of Permanent Disabilities after vaccination	54,692	21,195	14,352	13,089
Number of Office Visits	197,364	52,060	165,088	49,686
# of Emergency Room/Department Visits	131,260	213,655	100,914	203,972
# of Birth Defects after vaccination	1,120	200	529	108

\*Note that the total number of deaths associated with the COVID-19 vaccines is more than double the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

Data obtained from CDC's VAERS

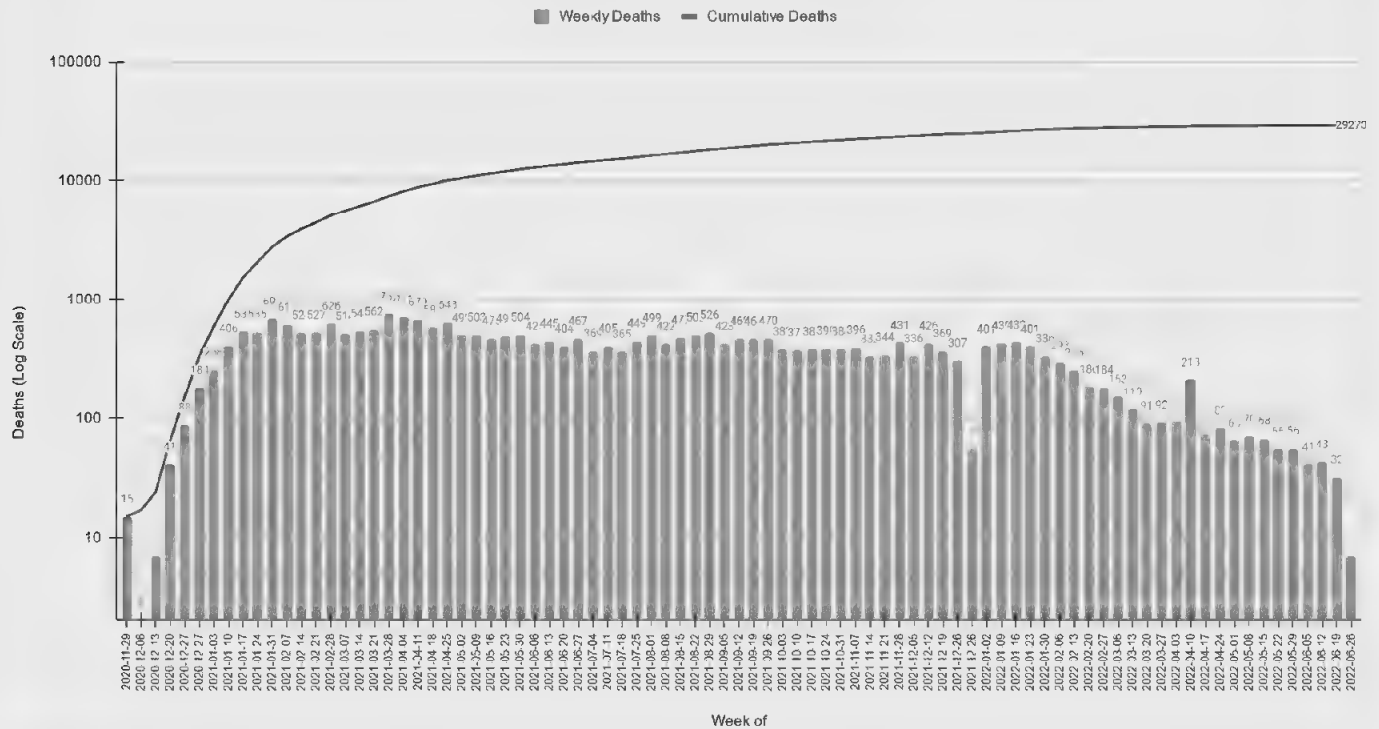


[Unknowns separated from All Other Vaccines for greater clarity; in a majority of cases the Unknowns are actually Covid-19]



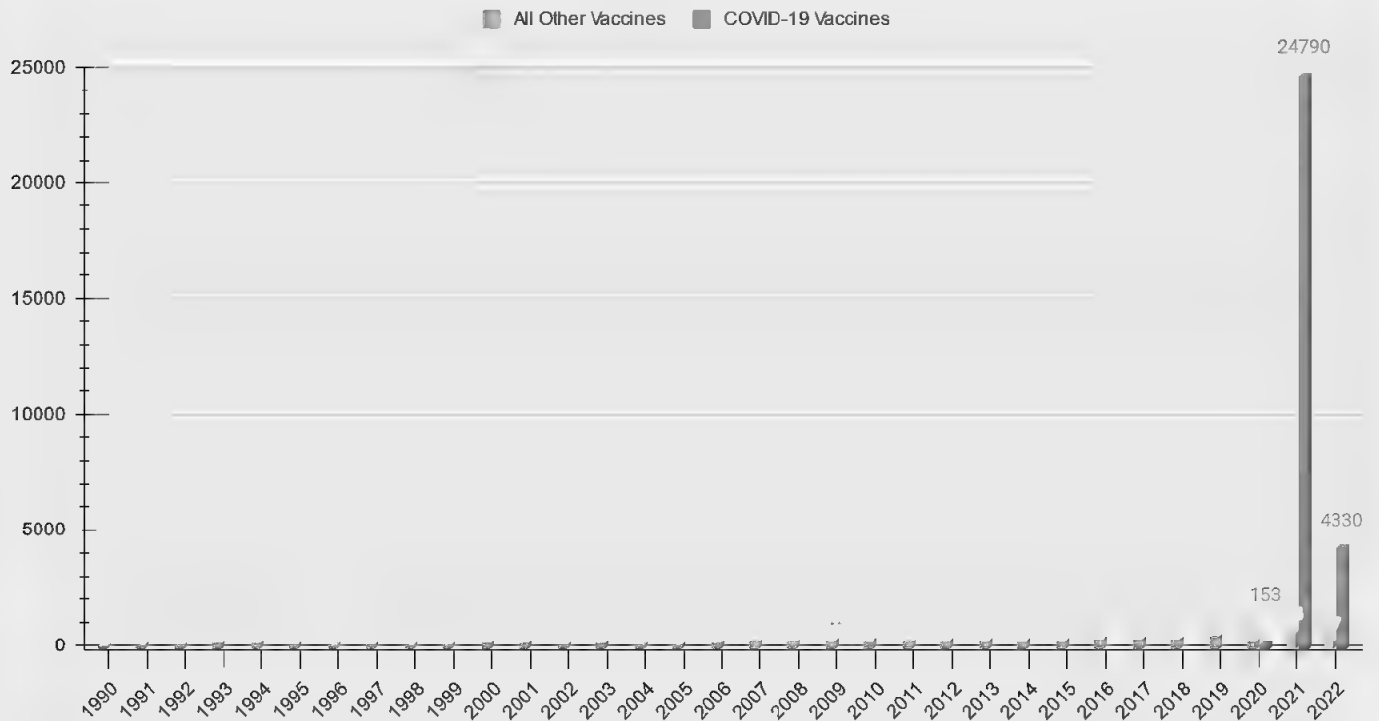
## Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



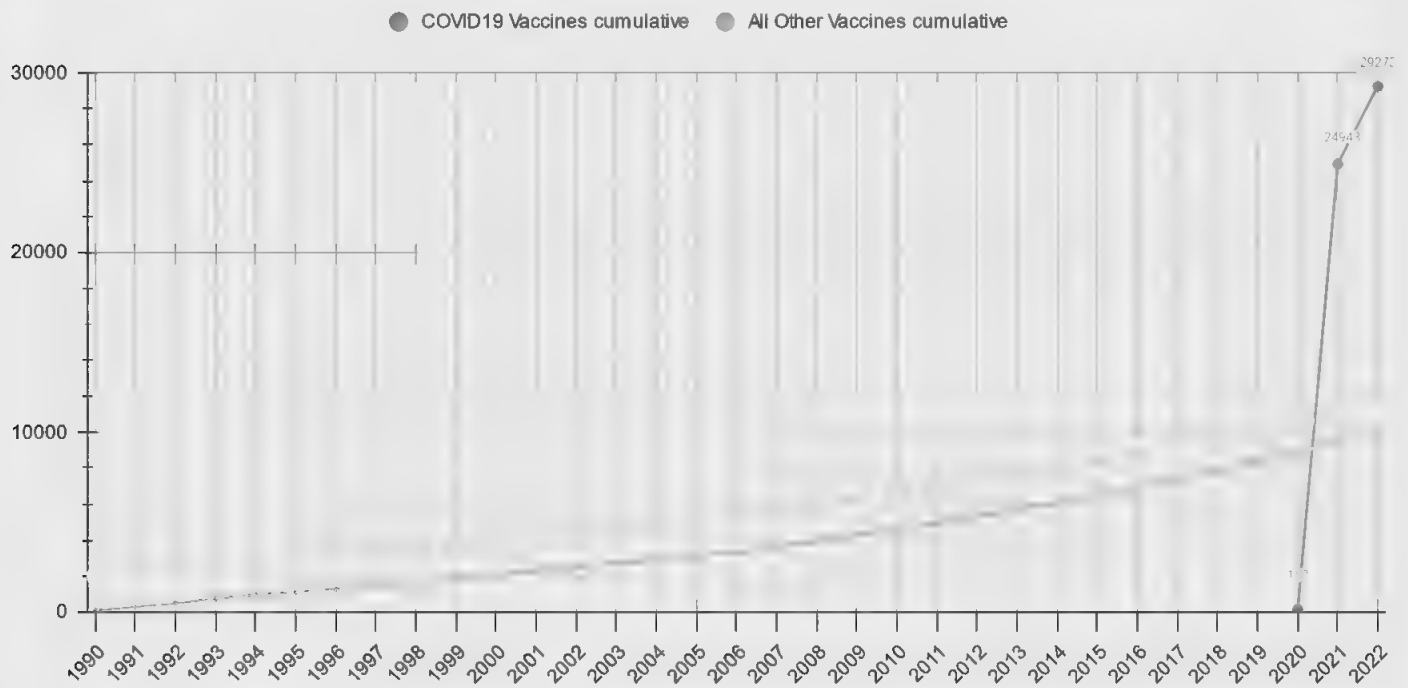
## Reported Deaths by Year, COVID19 vs. All Other Vaccines

Data Obtained from CDC's VAERS



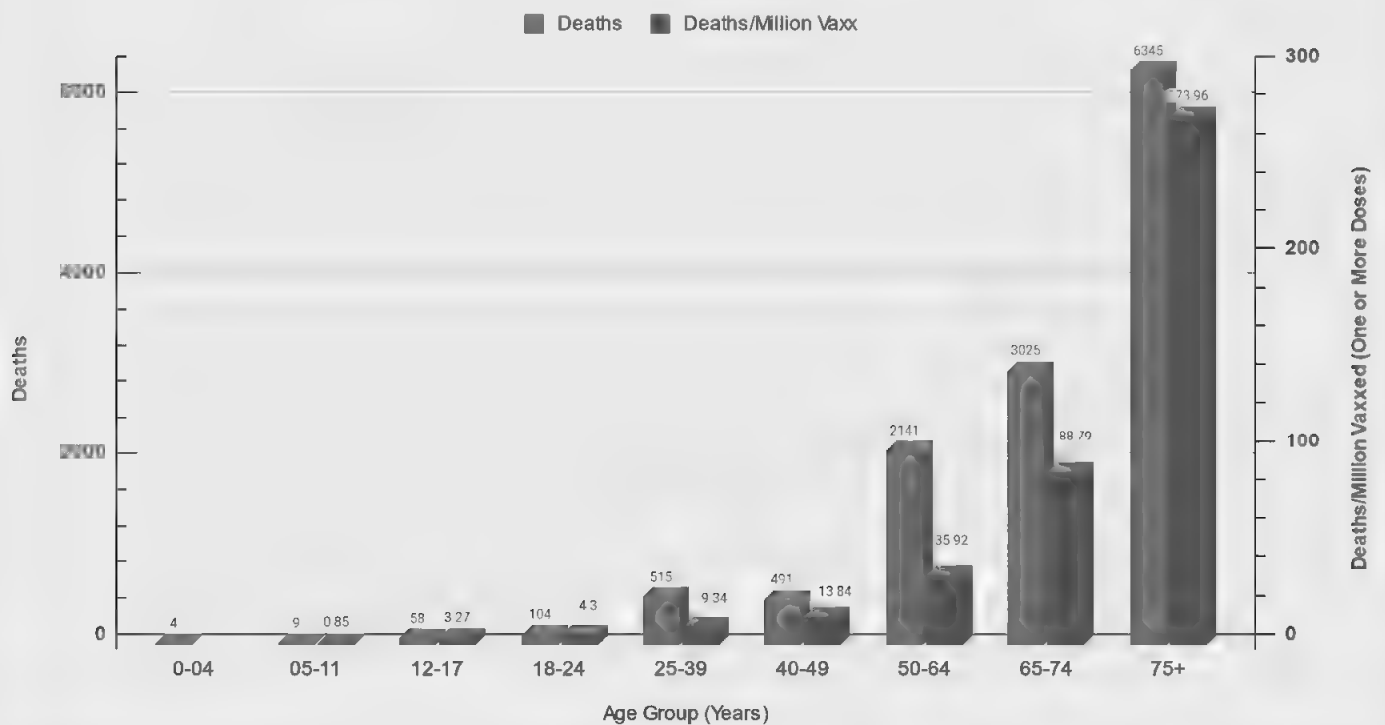
## Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



## Age Stratification of Deaths After COVID-19 Vaccination US Data Only

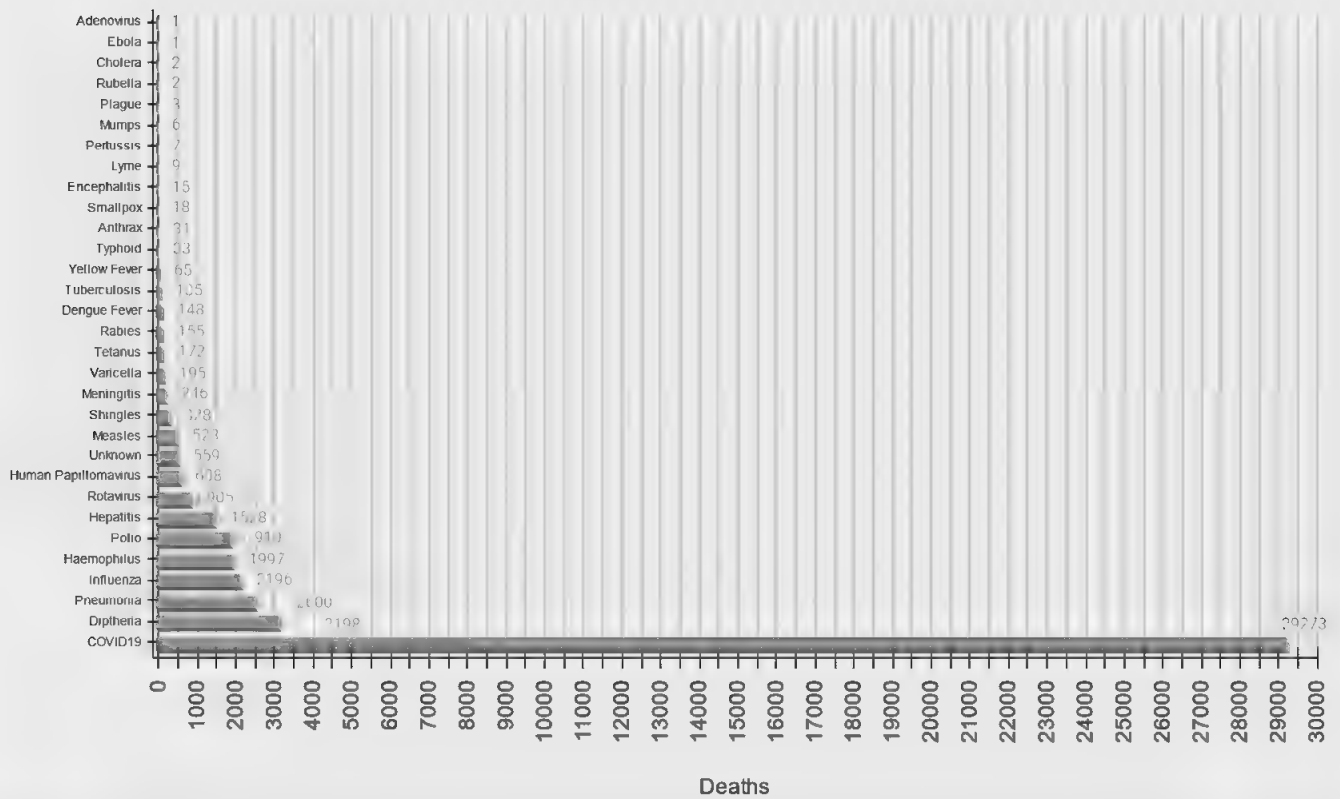
Data Obtained from CDC's VAERS



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

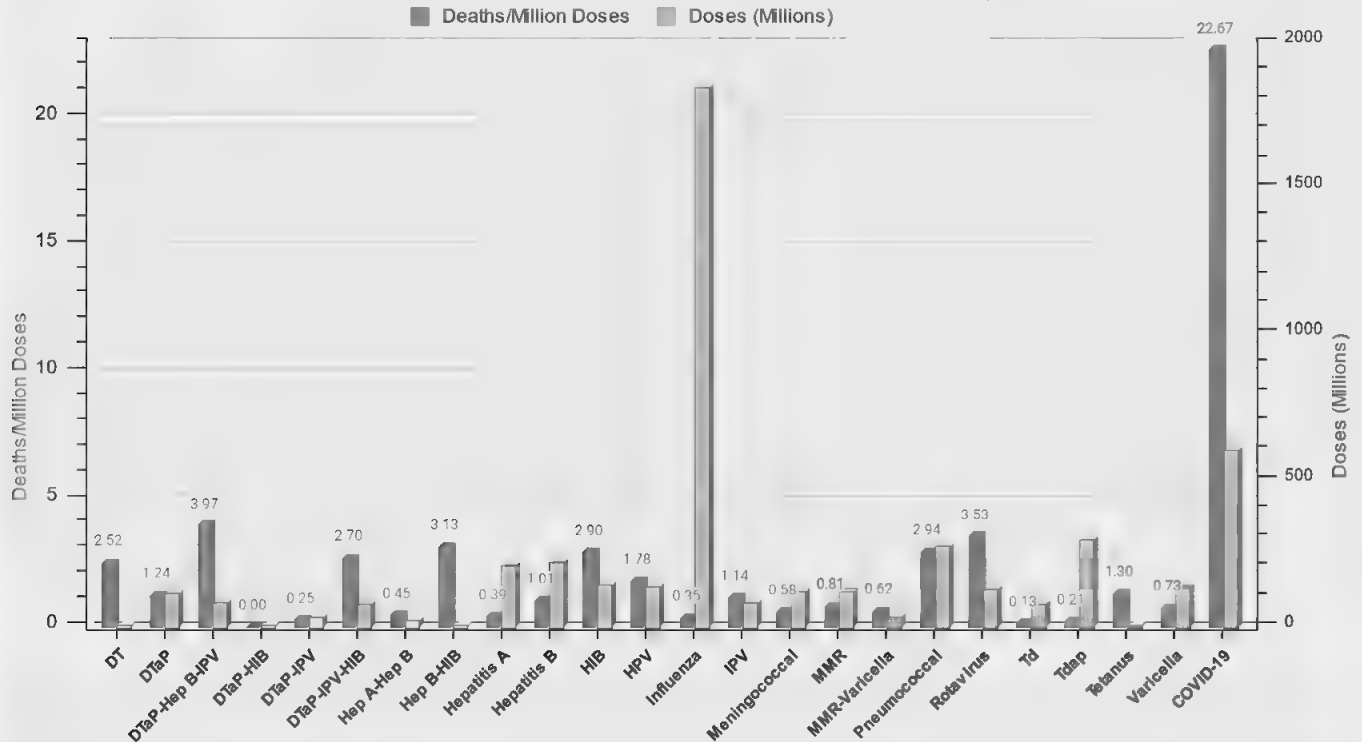
## Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



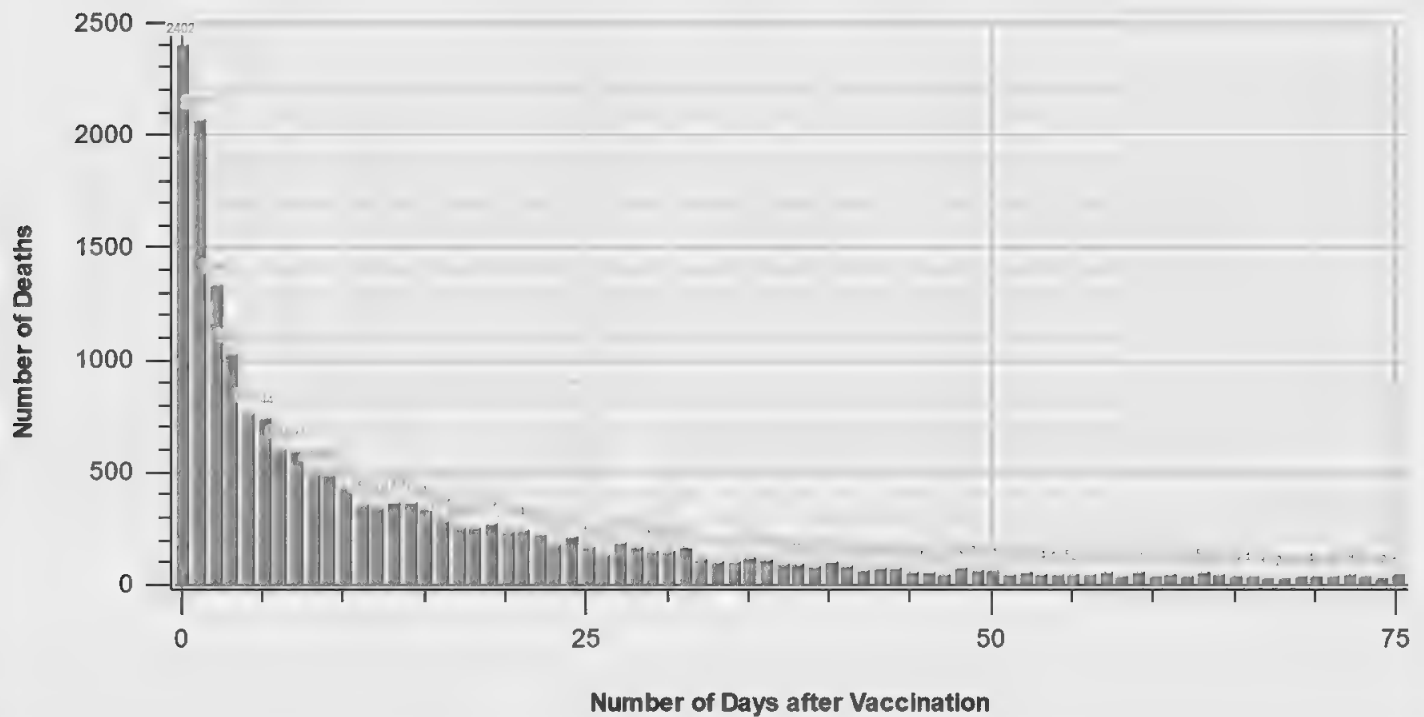
## Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

Data Obtained from CDC's VAERS and NVICP data & statistics report



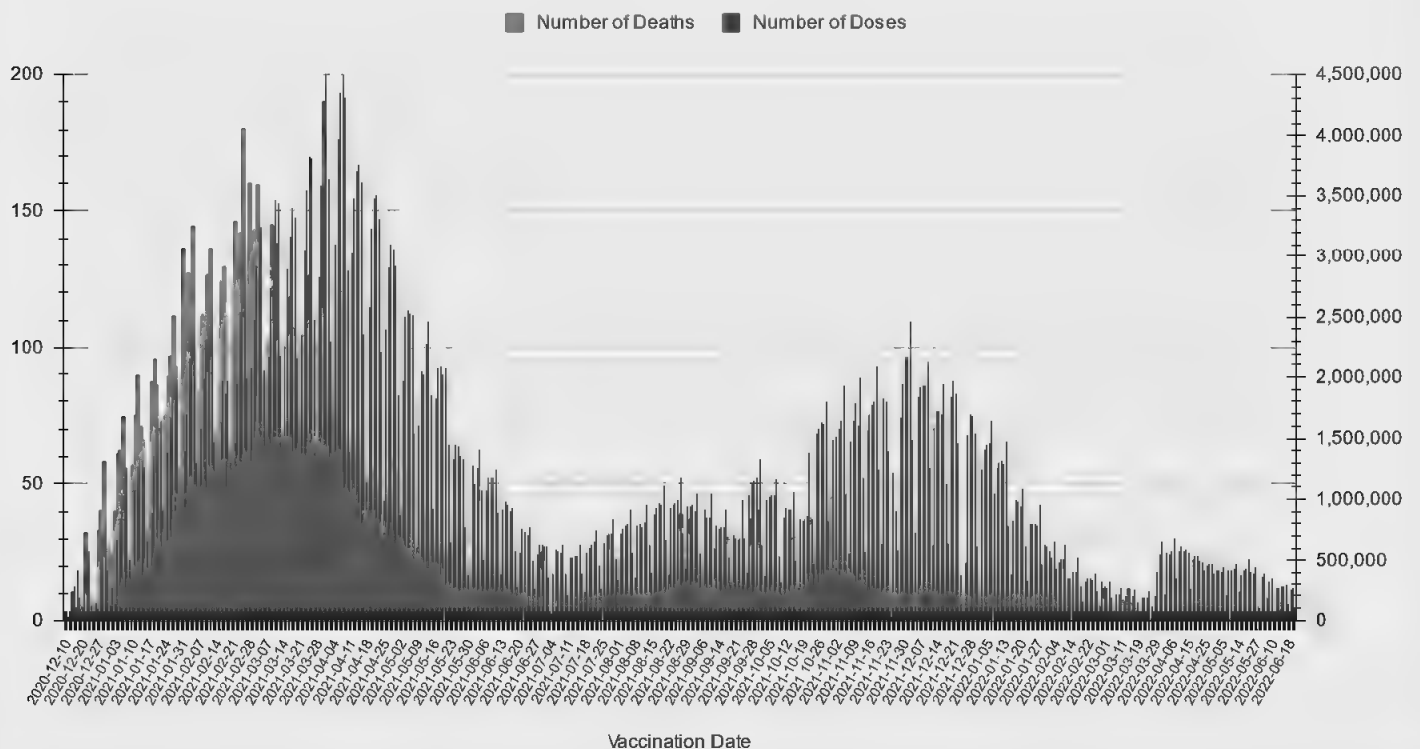
## Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



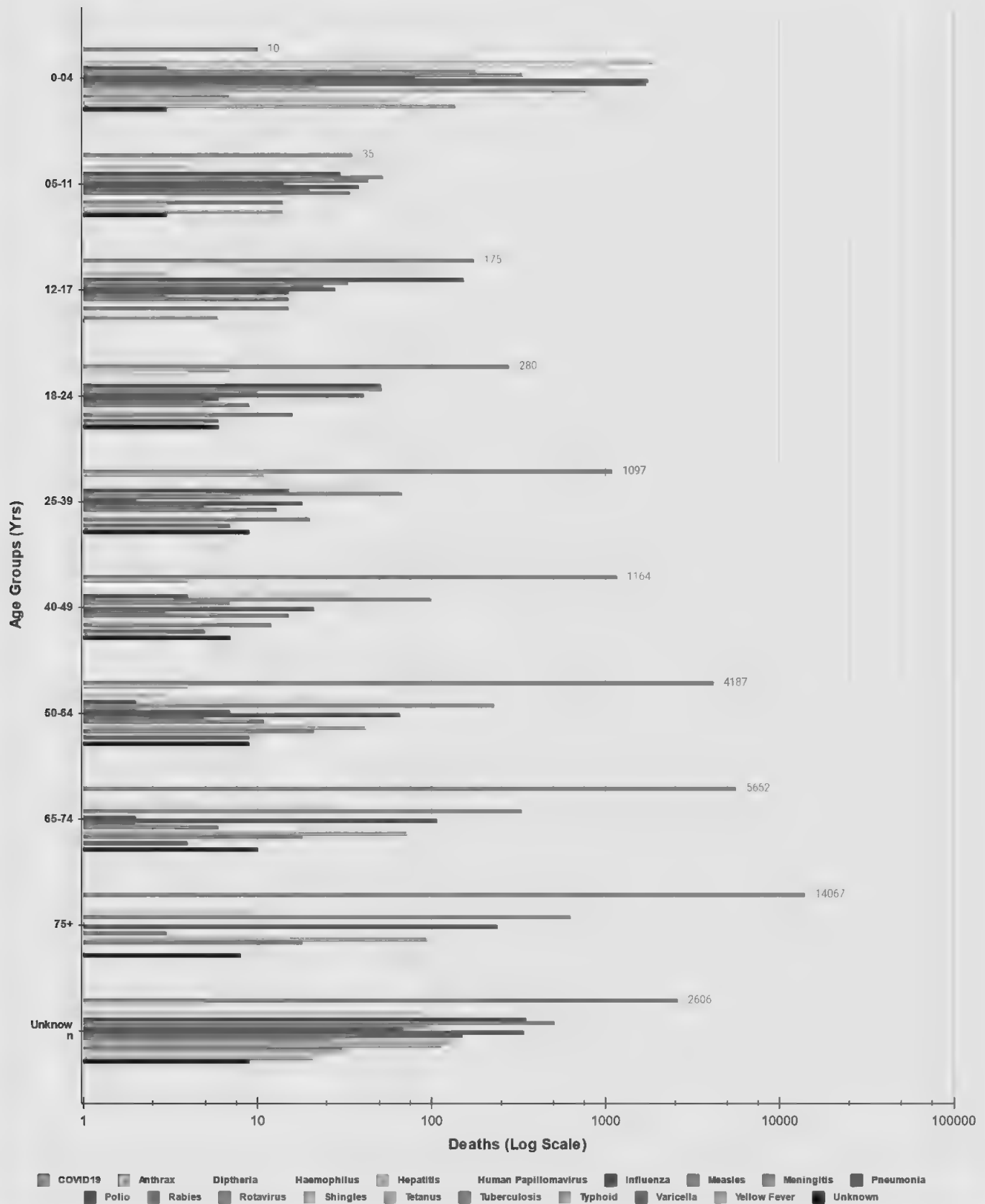
## Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



# Age Stratification of Deaths By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS

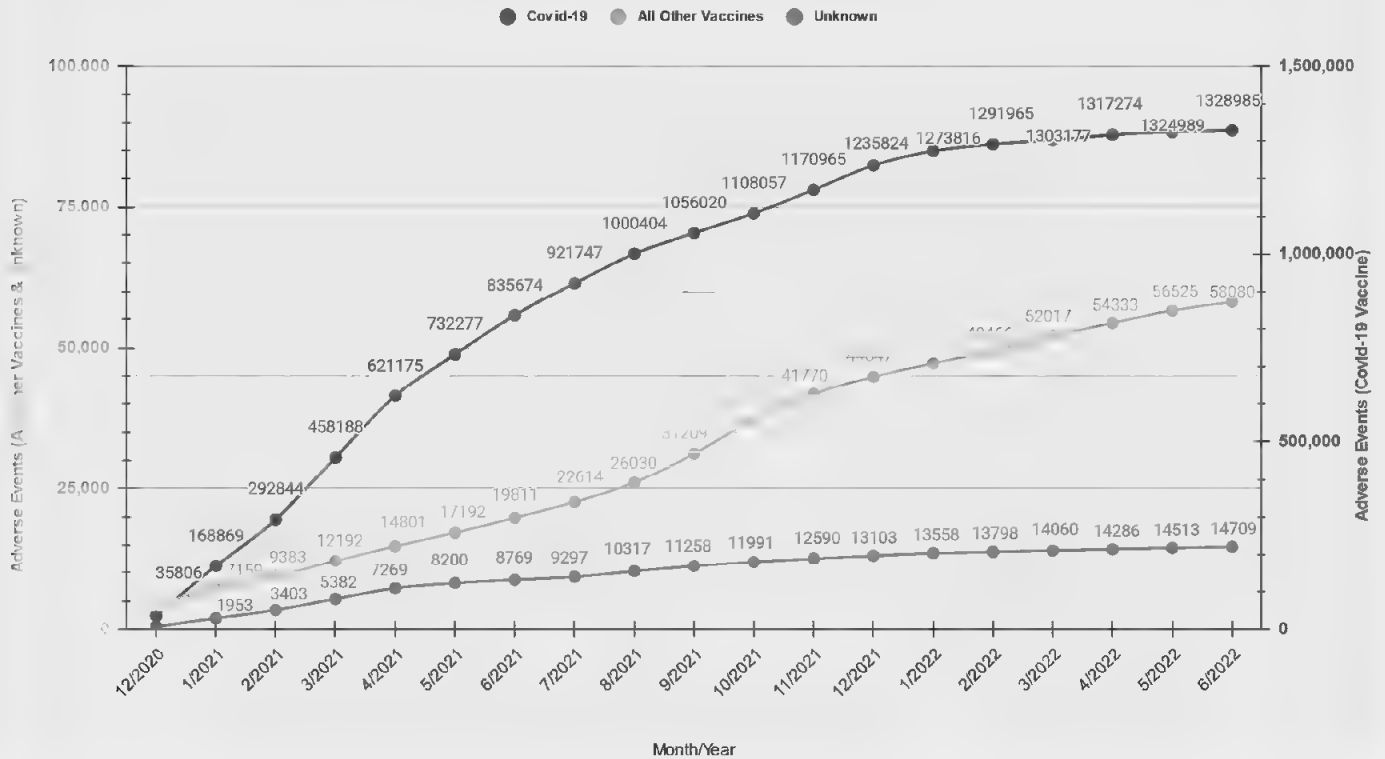


[Vaccines not included above (due to n < 20 overall deaths). Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

## Adverse Events

### Cumulative Reported AEs After Vaccination - 1.5 Year Summary

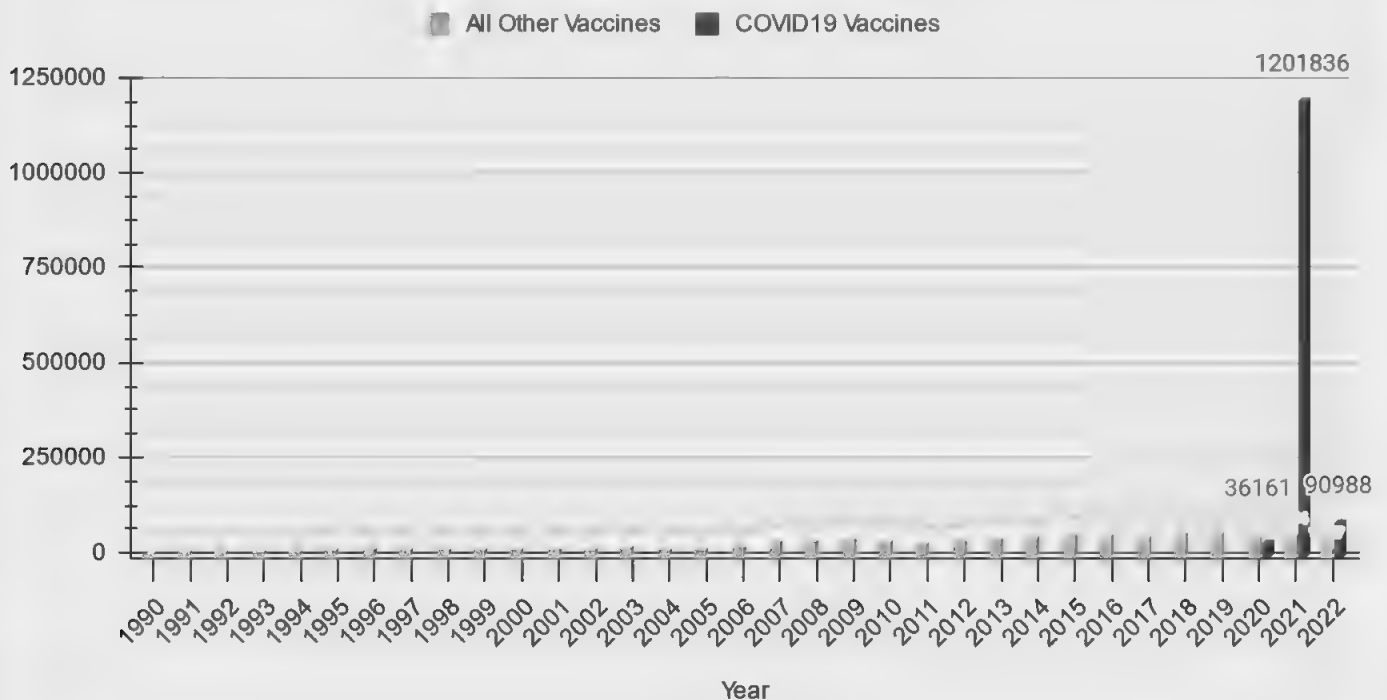
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in many cases the Unknowns are actually Covid-19]

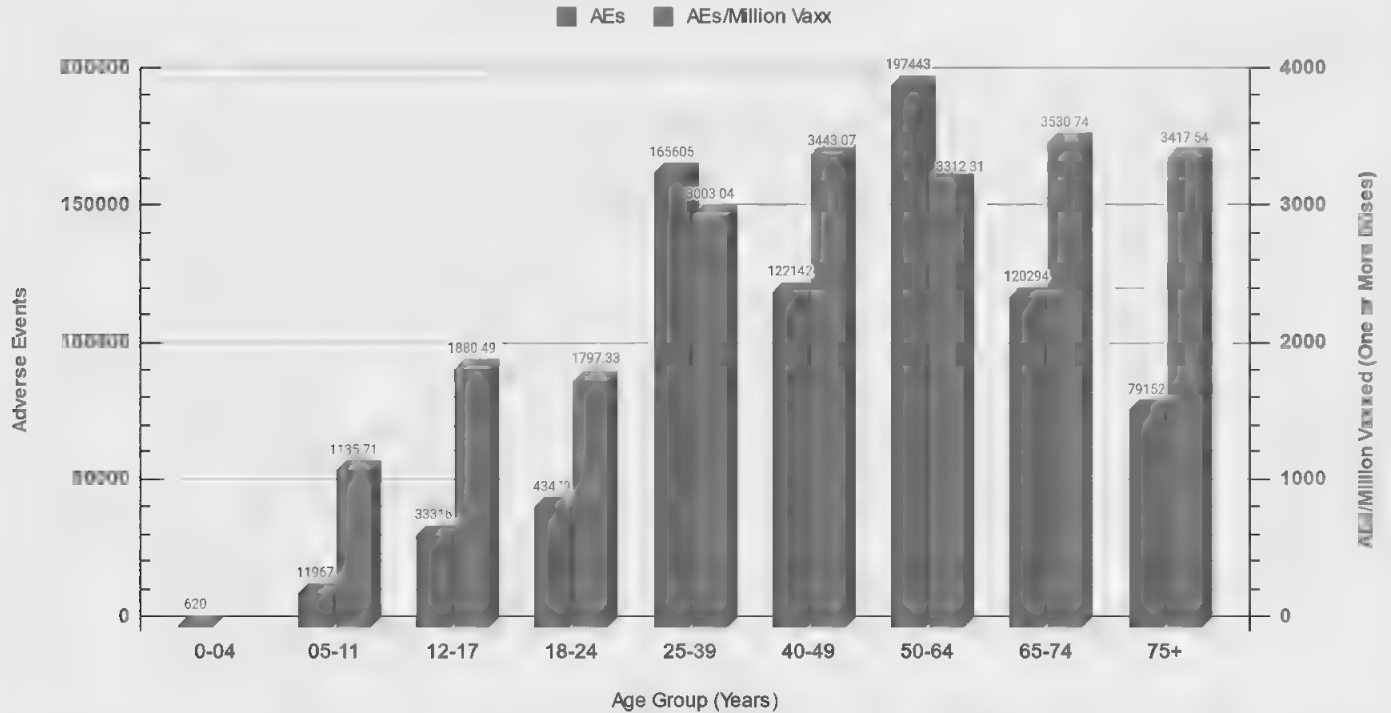
### Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



## Age Stratification of Adverse Events After COVID-19 Vaccination US Data Only

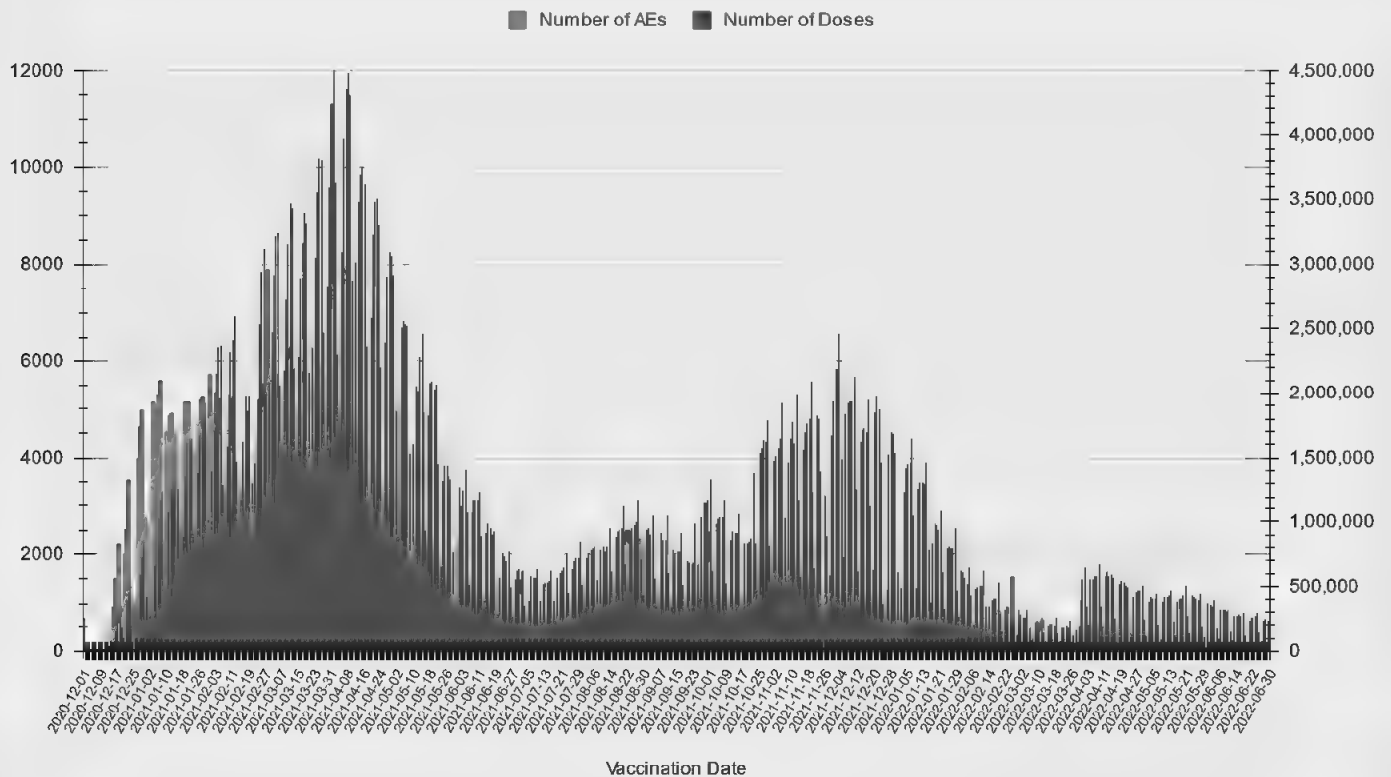
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

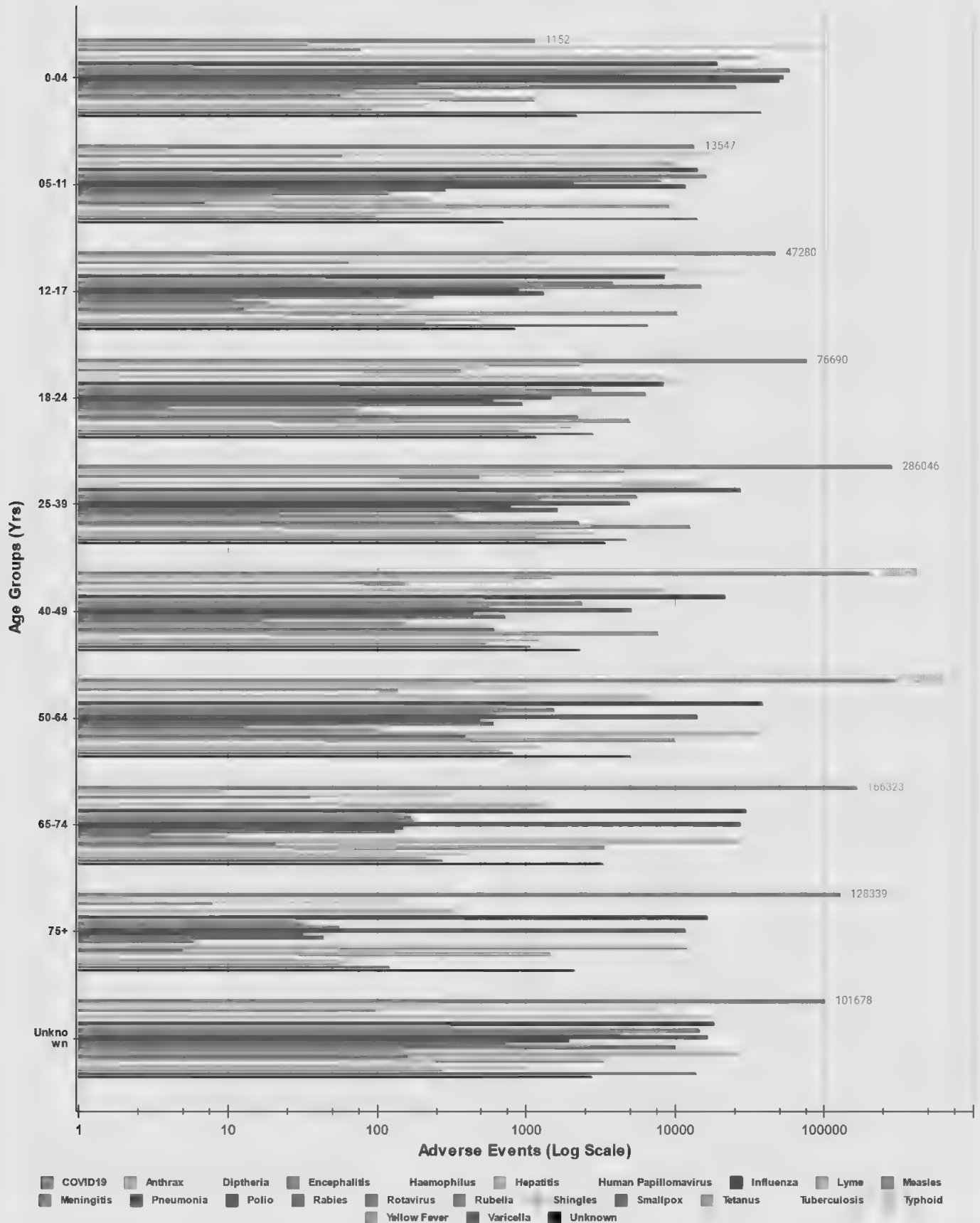
## Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

Data Obtained from CDC's VAERS



# Age Stratification of Adverse Events By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS



[Vaccines not included above (due to n < 500 overall AEs): Adenovirus, Cholera, Dengue Fever, Ebola, Mumps, Pertussis, Plague]



## Symptoms

The slide below was taken from an FDA document from October 22, 2020 and provides a list of possible adverse event outcomes related to the Covid-19 vaccines.

- Source: [Vaccines and Related Biological Products Advisory Committee October 22, 2020 Meeting Presentation](#)

**FDA Safety Surveillance of COVID-19 Vaccines :**  
**DRAFT Working list of possible adverse event outcomes**  
**\*\*\*Subject to change\*\*\***

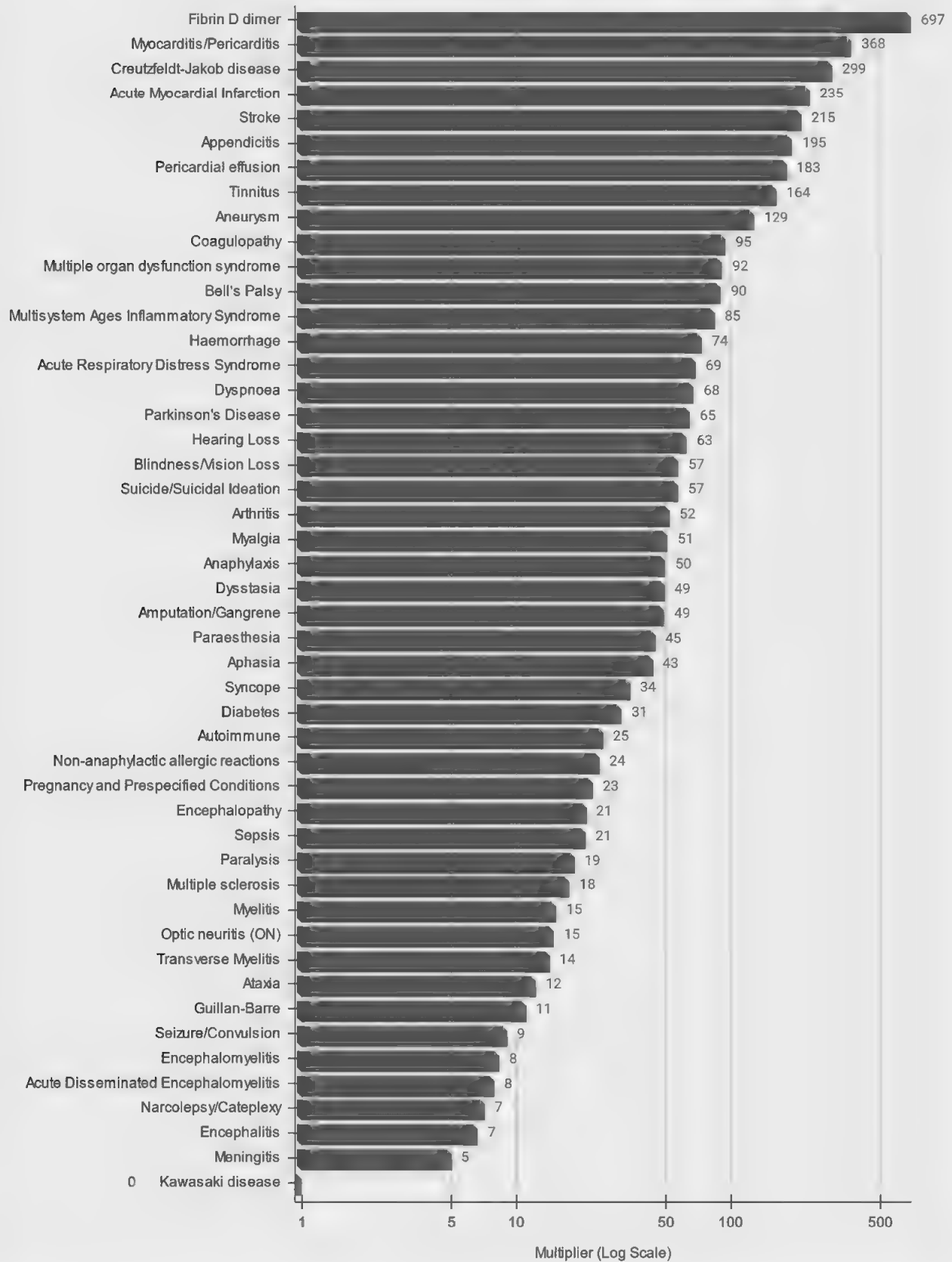
- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- Autoimmune disease
- Deaths
- Pregnancy and birth outcomes
- Other acute demyelinating diseases
- Non-anaphylactic allergic reactions
- Thrombocytopenia
- Disseminated intravascular coagulation
- Venous thromboembolism
- Arthritis and arthralgia/joint pain
- Kawasaki disease
- Multisystem Inflammatory Syndrome in Children
- Vaccine enhanced disease

The following table lists the number of adverse events found in the VAERS data which match the outcomes listed above:

FDA listed symptom	Total (Non-Lethal)	Total Deaths	Total (Non-Lethal) AEs for All	Total Deaths for All Other
Guillain-Barre	2756	55	4506	141
Acute Disseminated Encephalomyelitis	208	7	448	30
Transverse Myelitis	619	5	847	16
Encephalitis	2566	334	4870	473
Convulsions/Seizures	16284	531	30025	527
Stroke	15927	1438	1623	113
Narcolepsy, Cataplexy	309	6	384	3
Anaphylaxis	49665	188	41377	173
Acute Myocardial Infarction (Heart Attack)	5262	1490	342	155
Myocarditis/Pericarditis	22730	318	977	88
Autoimmune Disease	1980	33	1117	16
Other Acute Demyelinating Diseases	390	7	861	25
Pregnancy and birth outcomes (Miscarriages)	4542	143	2896	49
Other Allergic Reactions	2422	3	2069	3
Thrombocytopenia	6038	468	3607	135
Disseminated Intravascular Coagulation	262	86	60	25
Venous Thromboembolism	25222	1493	678	114
Arthritis and Arthralgia/Joint Pain	80553	272	29099	78
Kawasaki Disease	94	2	717	9
Systemic Inflammatory Response Syndrome	891	61	367	5

# Average Annual Adverse Events by Symptom for Covid-19 Vaccines as a Multiple of All Other Vaccines Combined since 1990

(Data from VAERS through 7/1/22)



## Vaccination Related Risks of Covid-19 vs. Flu

These set of figures compare the COVID19 vaccine to the traditional Flu vaccines. 'Risk of Death' percentages depend on the '# of Vaccinations' data, which is only approximate, and was pulled from the [CDC's report](#) on Flu vaccination coverage for the 2019-2020 season, and from [CDC's Vaccination Trends in the US](#) for the COVID19 vaccinations.

**Covid19 vaccinations through 5/31/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)**

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642 <sup>[1]</sup>	33	1 in 5,074,171	0.000020%	.20
COVID19	173,444,943 <sup>[2]</sup>	5,794	1 in 29,935	0.003341%	33.41
<b>Risk of dying from COVID vaccine is 170 times greater than Flu Vaccine</b>					

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,444,943	565,043	1 in 307	0.325777%	3,257.77
<b>Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine</b>					

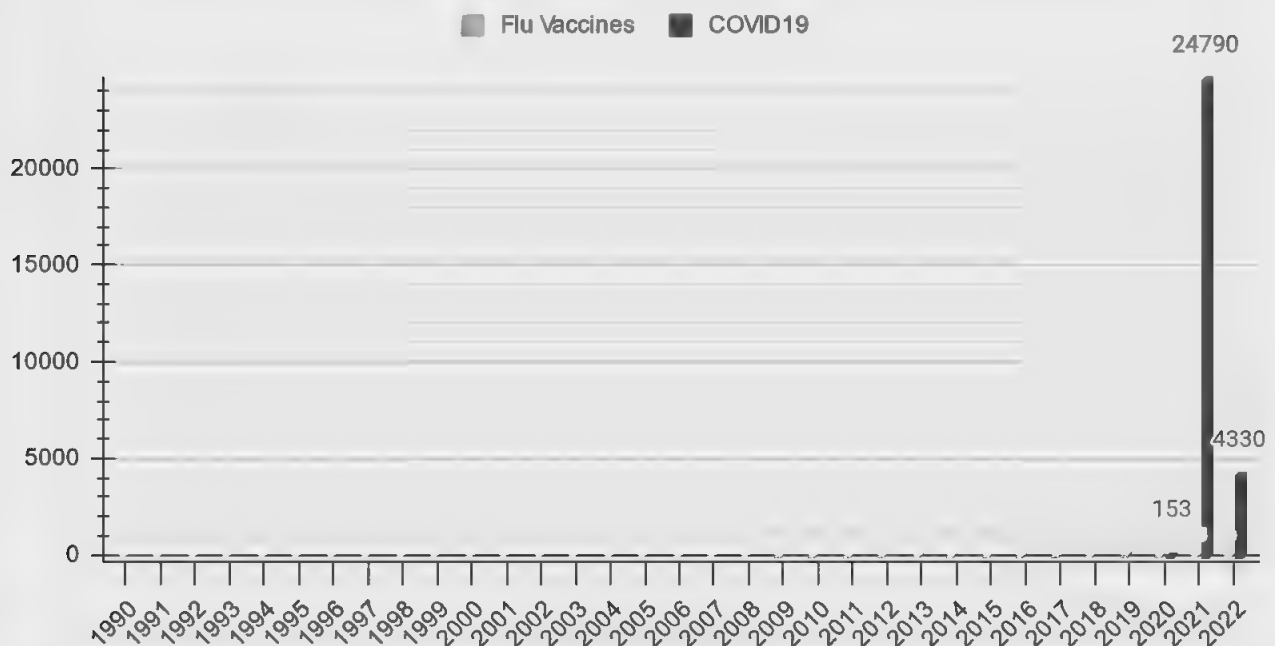
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [CDC's Vaccination Trends in the US](#)

[3] Persons vaccinated with at least one dose

## Reported Deaths by Year, COVID19 vs. Flu Vaccines

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	2545	8.67%	5.19	1647	18,833,540	87.45	490	2/26/21
Moderna	7724	26.3%	13.79	5668	225,253,126	25.16	560	12/18/20
Pfizer/Biontech	18937	64.48%	33.4	6214	352,959,331	17.61	567	12/11/20
Unknown	163	0.56%		55	609,038			

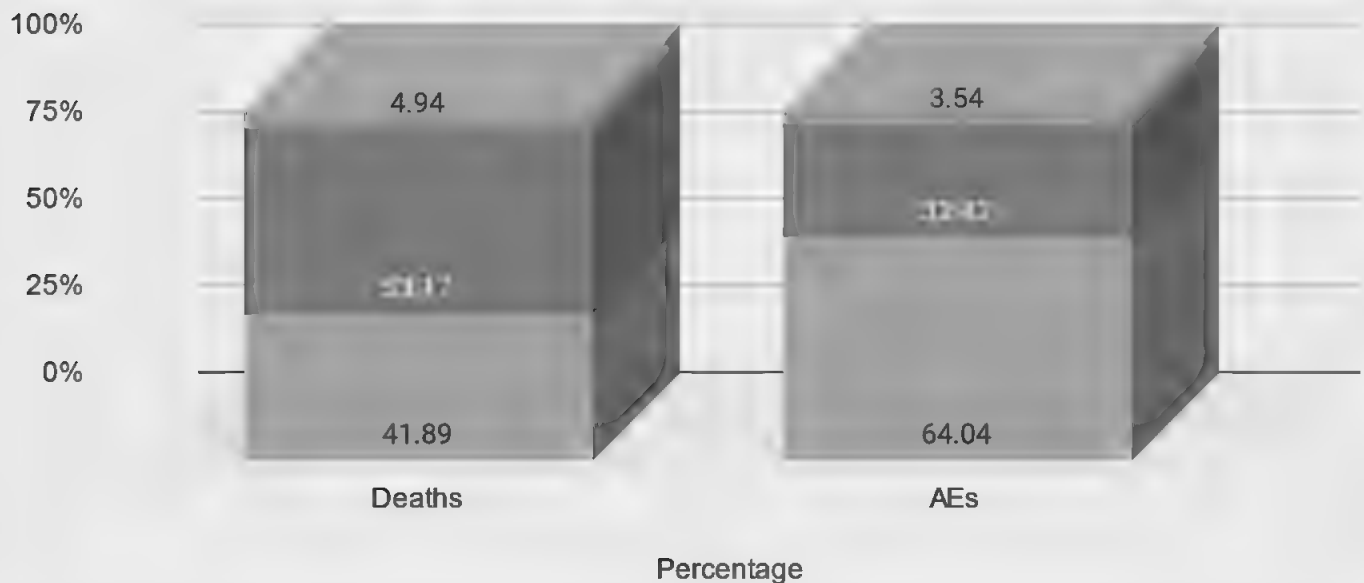
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	91696	6.87%	187.13	69654	18,833,540	3698.4	490	2/26/21
Moderna	458837	34.38%	819.35	382801	225,253,126	1699.43	560	12/18/20
Pfizer/Biontech	778629	58.34%	1373.24	386890	352,959,331	1096.13	567	12/11/20
Unknown	5427	0.41%		2891	609,038			

## Vaccine Data by Gender

### Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

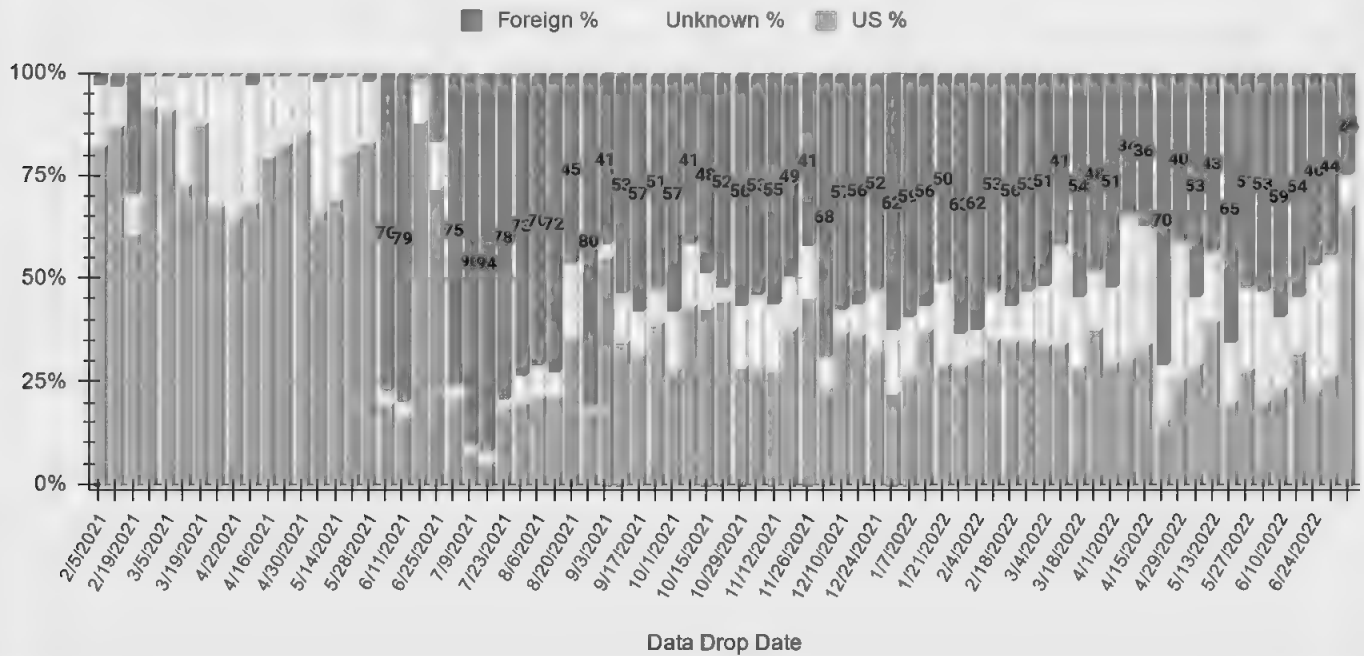
Unknown Male Female



## Vaccine Data by Location

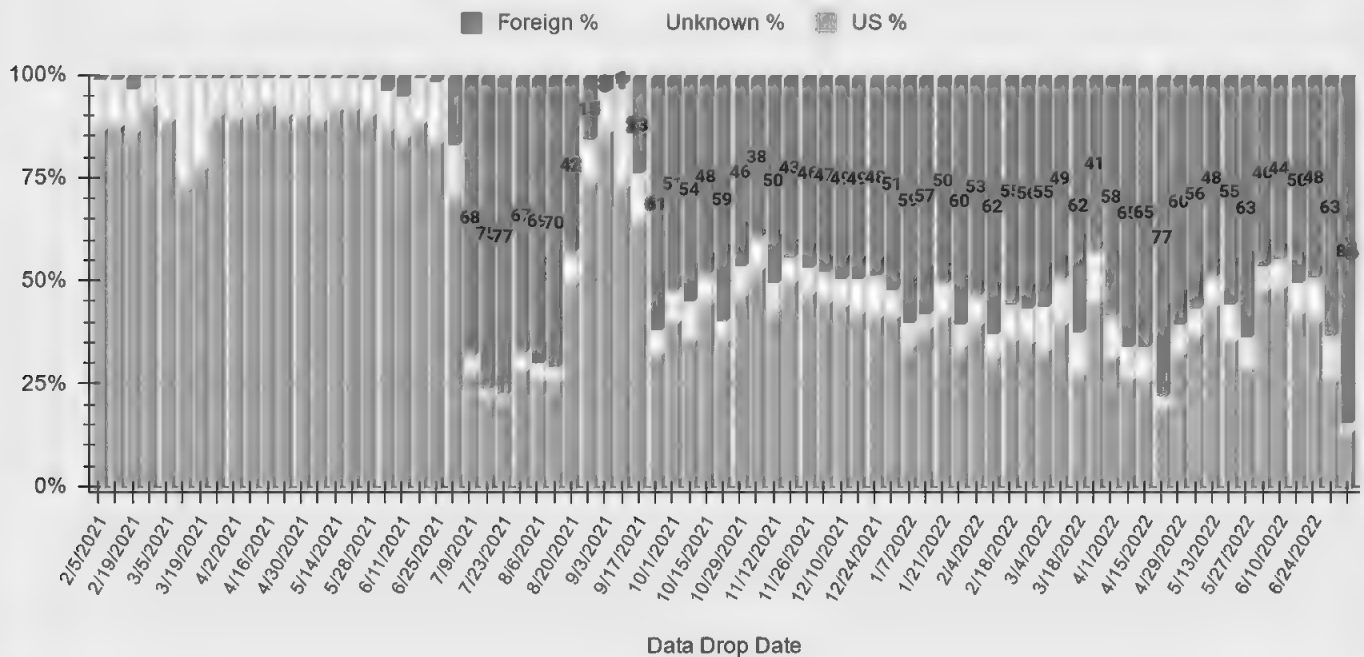
### Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



### Distribution by Location of Reported Adverse Events after COVID19 Vaccination

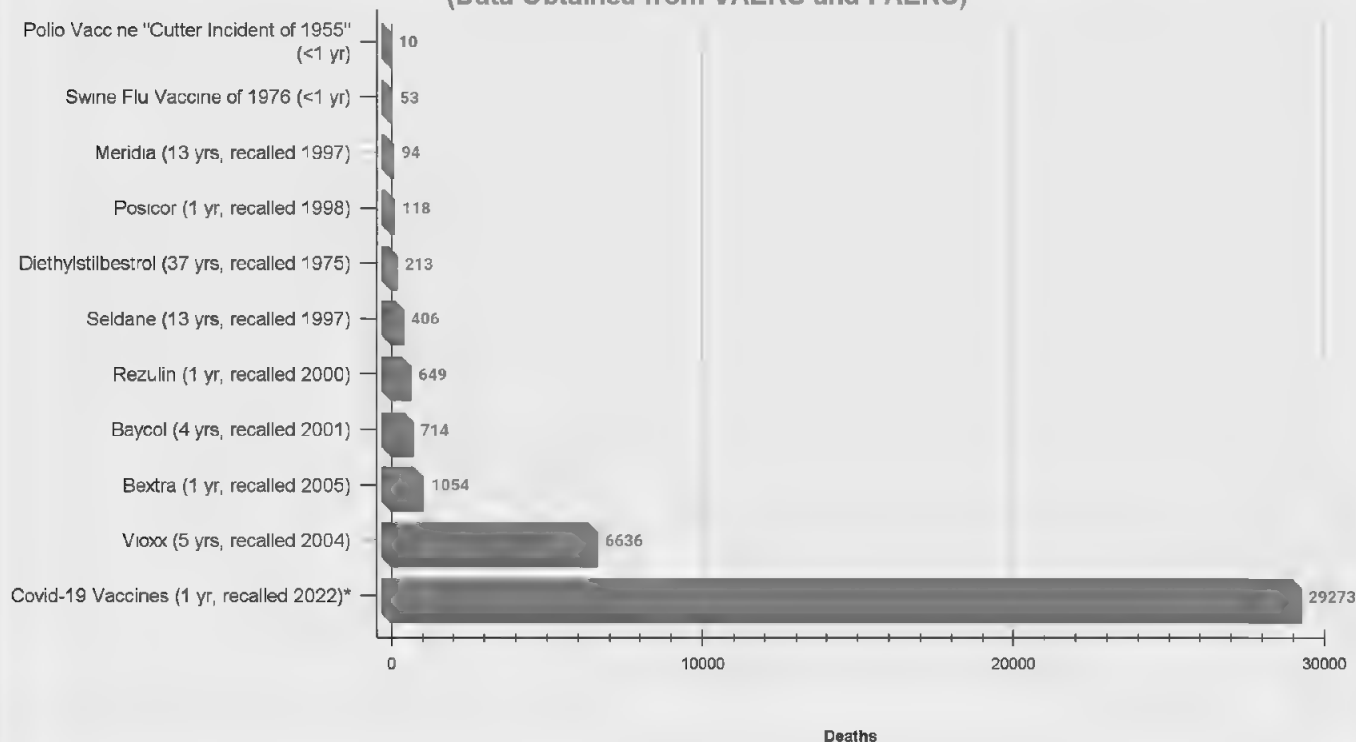
All Data Obtained from CDC's VAERS



## Recall History

### Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



\*Projected

## Sources

Visit: [vaersanalysis.info](https://vaersanalysis.info) for more information

1. Vaccine data (Covid-19 and other vaccines) taken from CDC's VAERS website, located here: <https://vaers.hhs.gov/data/datasets.html>. VAERS data sets in the form of csv files are pulled down weekly and put into a database for reporting/analysis. Data files are available all the way back to 1990.
2. Number of doses distributed for other vaccines found in NVICP Data and Statistics report here: <https://www.hrsa.gov/sites/default/files/hrsa/vaccine-compensation/data/data-statistics-report.pdf>
3. Numbers for Covid-19 vaccines administered by manufacturer found here: [https://covid.cdc.gov/covid-data-tracker/#vaccinations\\_vacc-total-admin-rate-total](https://covid.cdc.gov/covid-data-tracker/#vaccinations_vacc-total-admin-rate-total)
4. Numbers for total Covid-19 vaccine doses administered found here: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccination-Trends-in-the-United-States-N/rh2h-3yt2>
5. Numbers for Flu vaccine doses administered for 2019-2020 season found here: <https://www.cdc.gov/flu/fluview/covaxview/coverage-1920estimates.htm>
6. Numbers for FDA regulated drugs taken from FDA's FAERS website, located here: <https://www.fda.gov/drugs/questions-and-answers-fdas-adverse-event-reporting-system-faers/fda-adverse-event-reporting-system-faers-public-dashboard>

# VAERS Summary for COVID-19 Vaccines through 6/17/2022

All charts and tables below reflect the data release on 6/24/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **6/17/2022**.

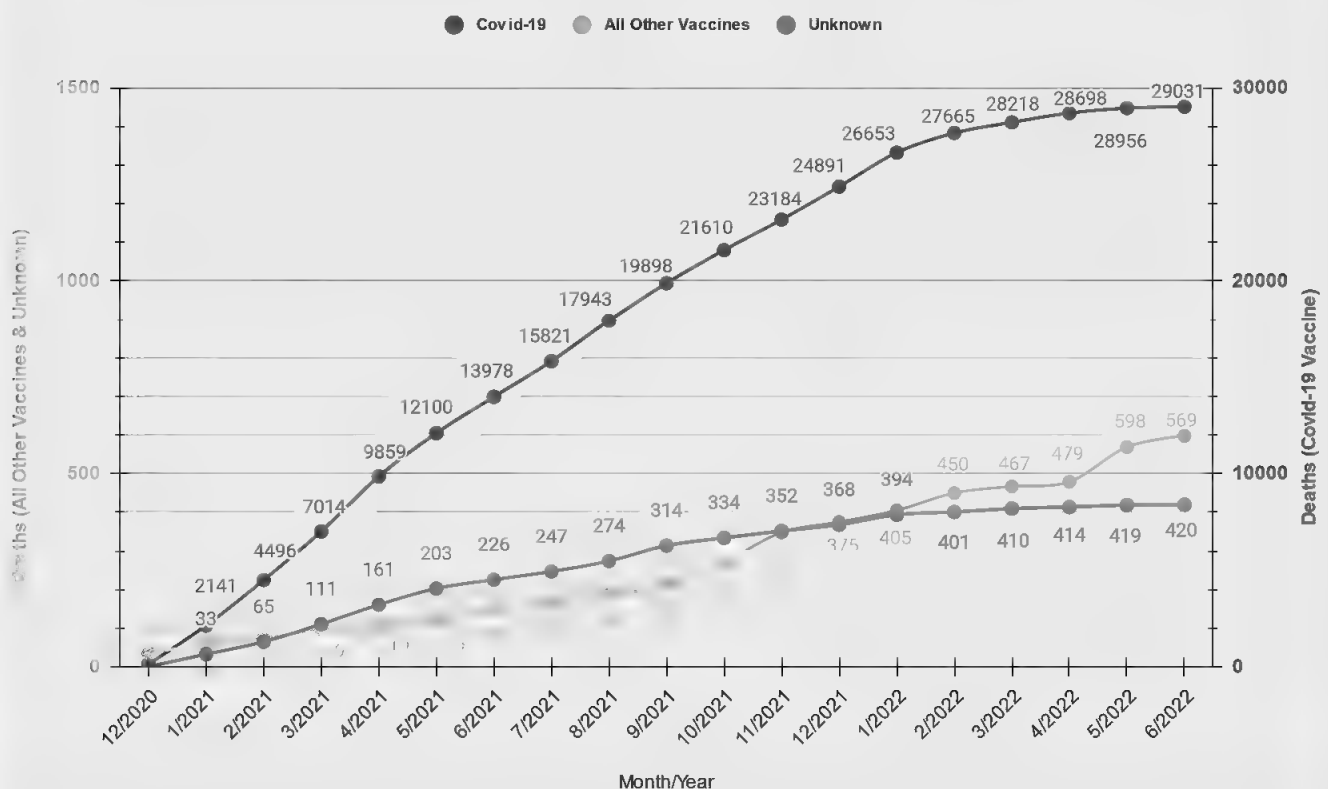
High-Level Summary	COVID19 vaccines (Dec 2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec 2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,307,928	885,464	835,063	769,391
Number of Life-Threatening Events	32,430	14,589	12,796	10,001
Number of Hospitalizations	164,324	84,589	64,298	39,344
Number of Deaths	29,031*	9,832*	13,388	5,366
# of Permanent Disabilities after vaccination	54,306	21,176	14,259	13,078
Number of Office Visits	196,083	51,853	164,181	49,495
# of Emergency Room/Department Visits	130,699	213,551	100,534	203,878
# of Birth Defects after vaccination	1,110	199	522	108

\*Note that the total number of deaths associated with the COVID-19 vaccines is more than double the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

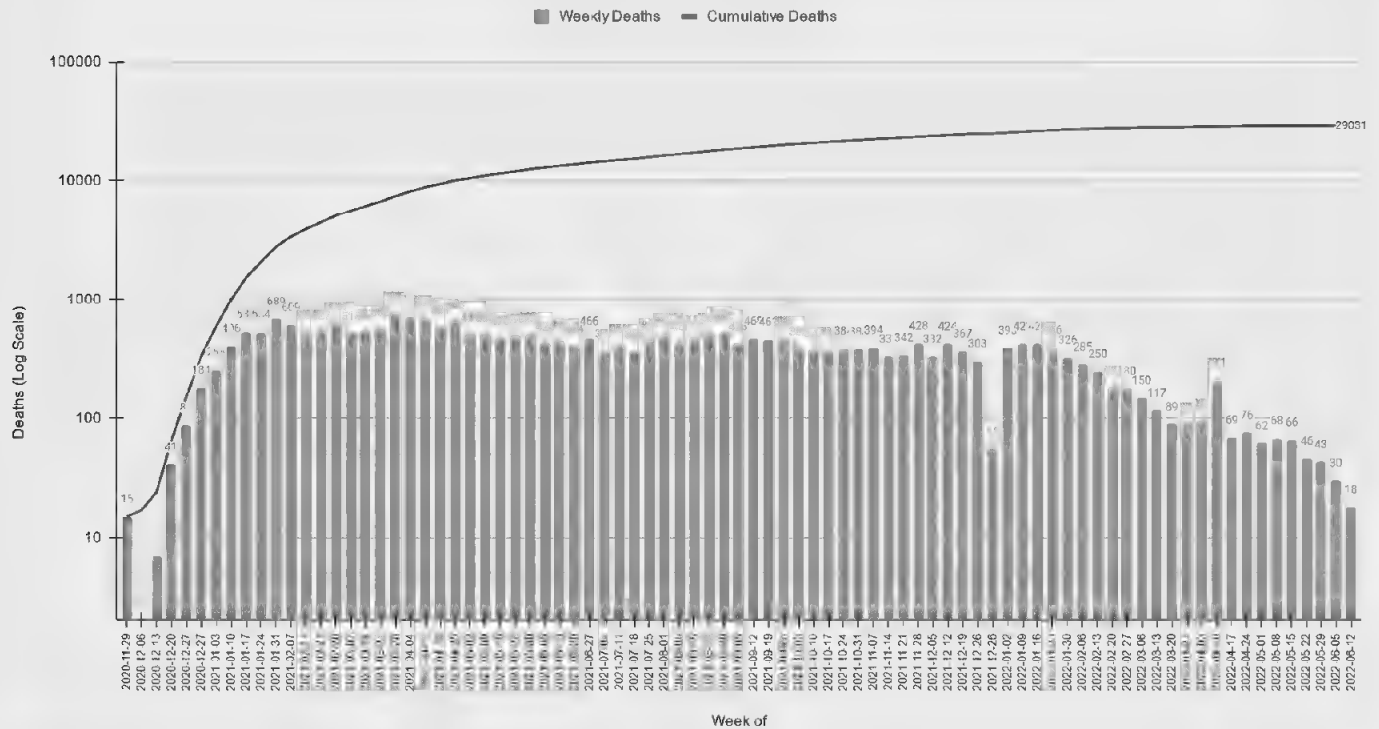
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in a majority of cases the Unknowns are actually Covid-19]

## Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS





## Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS

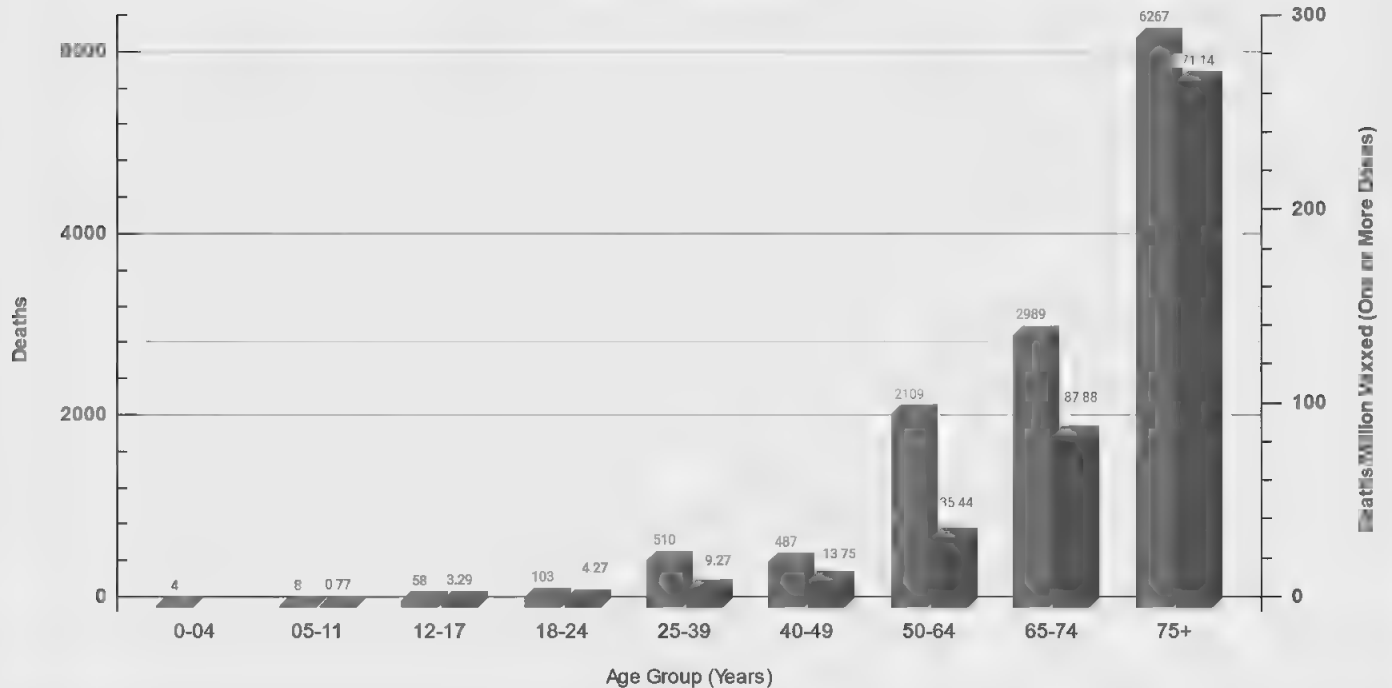
● COVID19 Vaccines cumulative ● All Other Vaccines cumulative



## Age Stratification of Deaths After COVID-19 Vaccination US Data Only

Data Obtained from CDC's VAERS

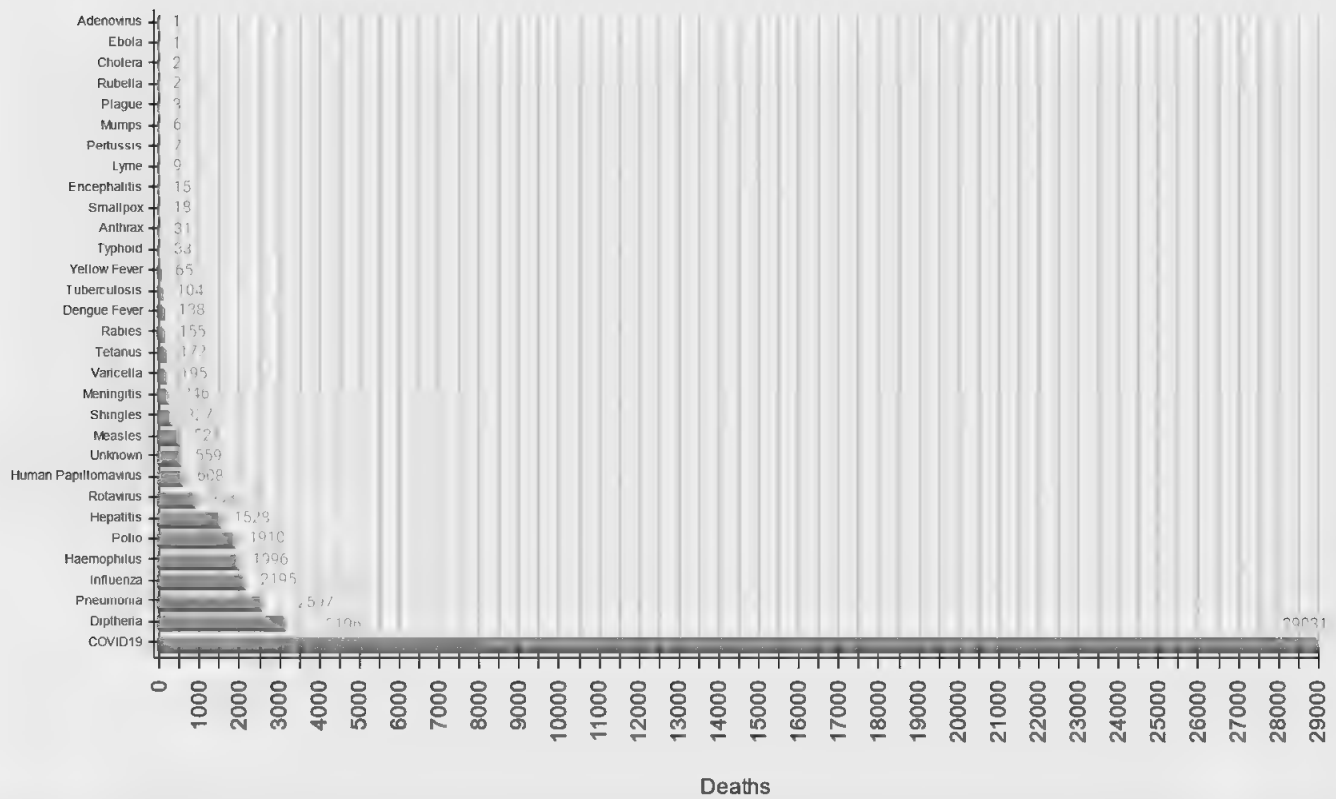
■ Deaths ■ Deaths/Million Vaxx



[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

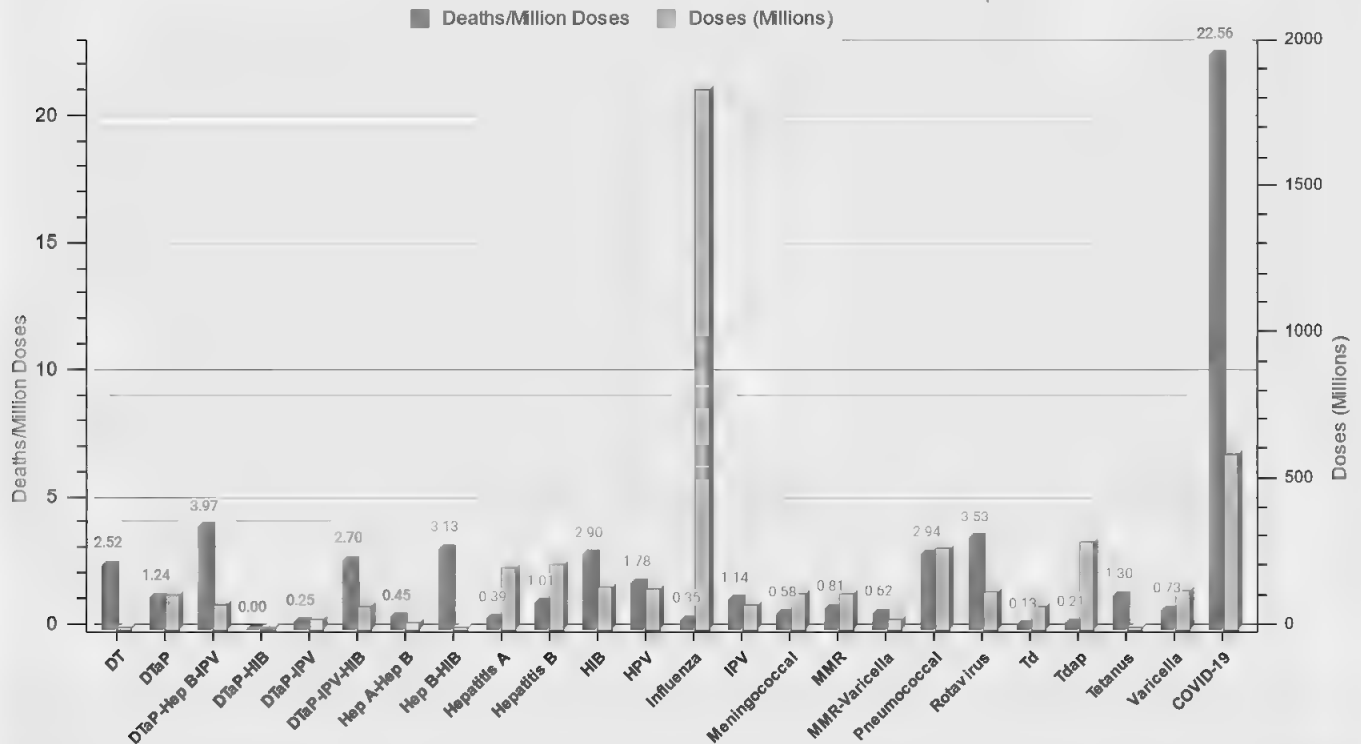
## Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



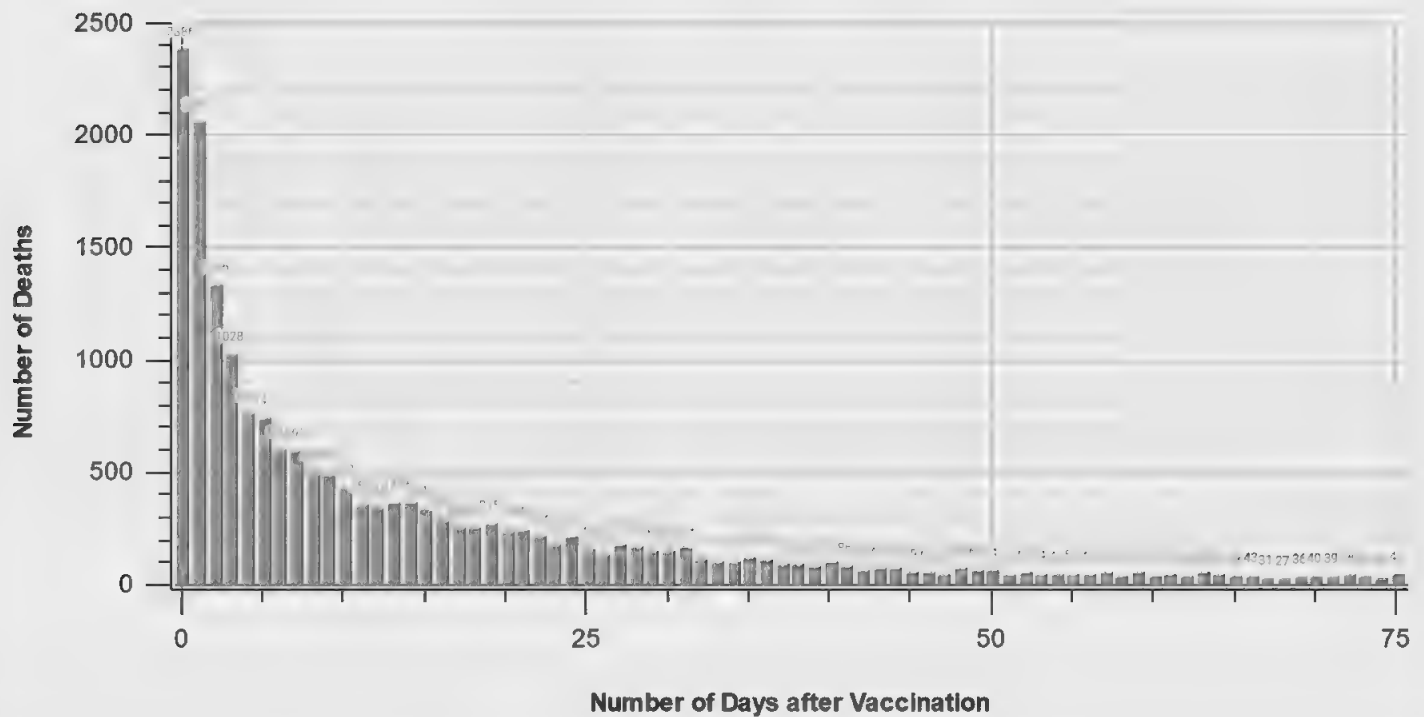
## Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

Data Obtained from CDC's VAERS and NVICP data & statistics report



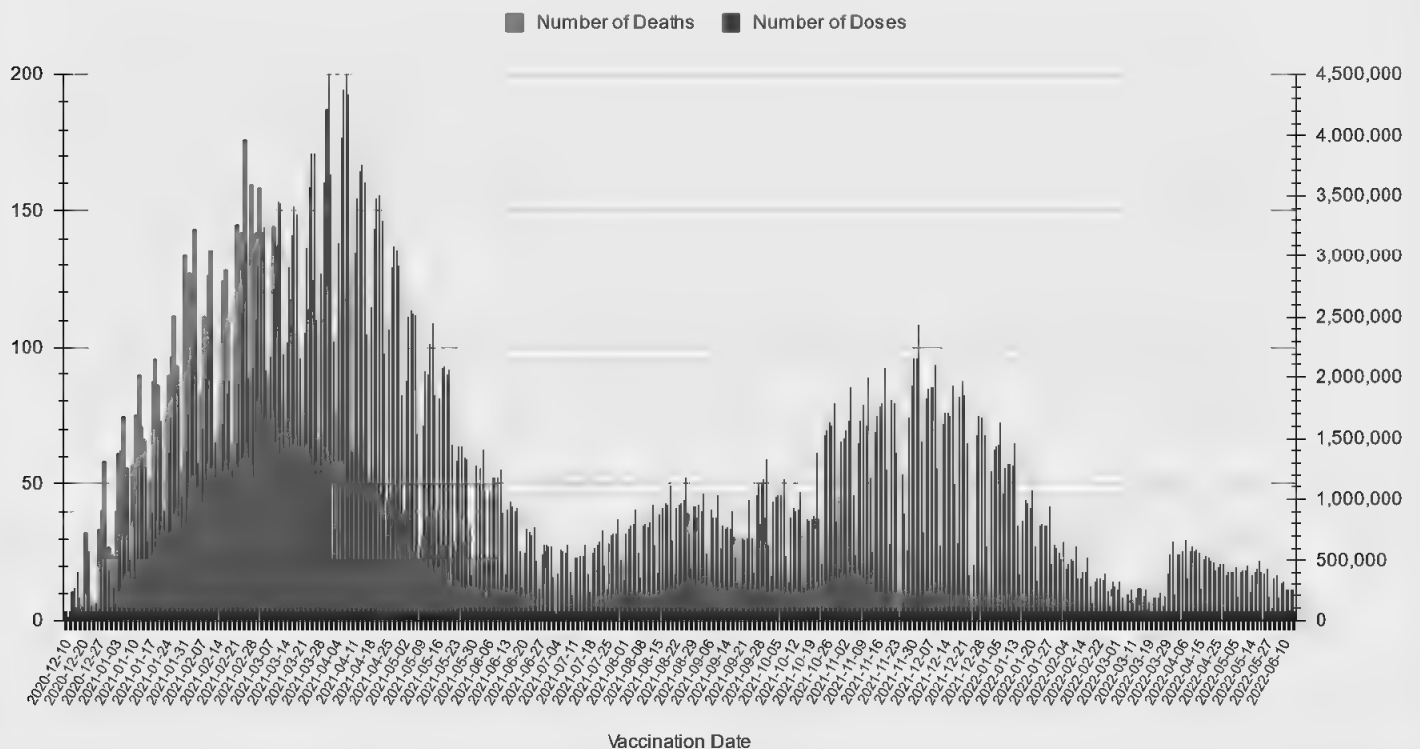
## Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



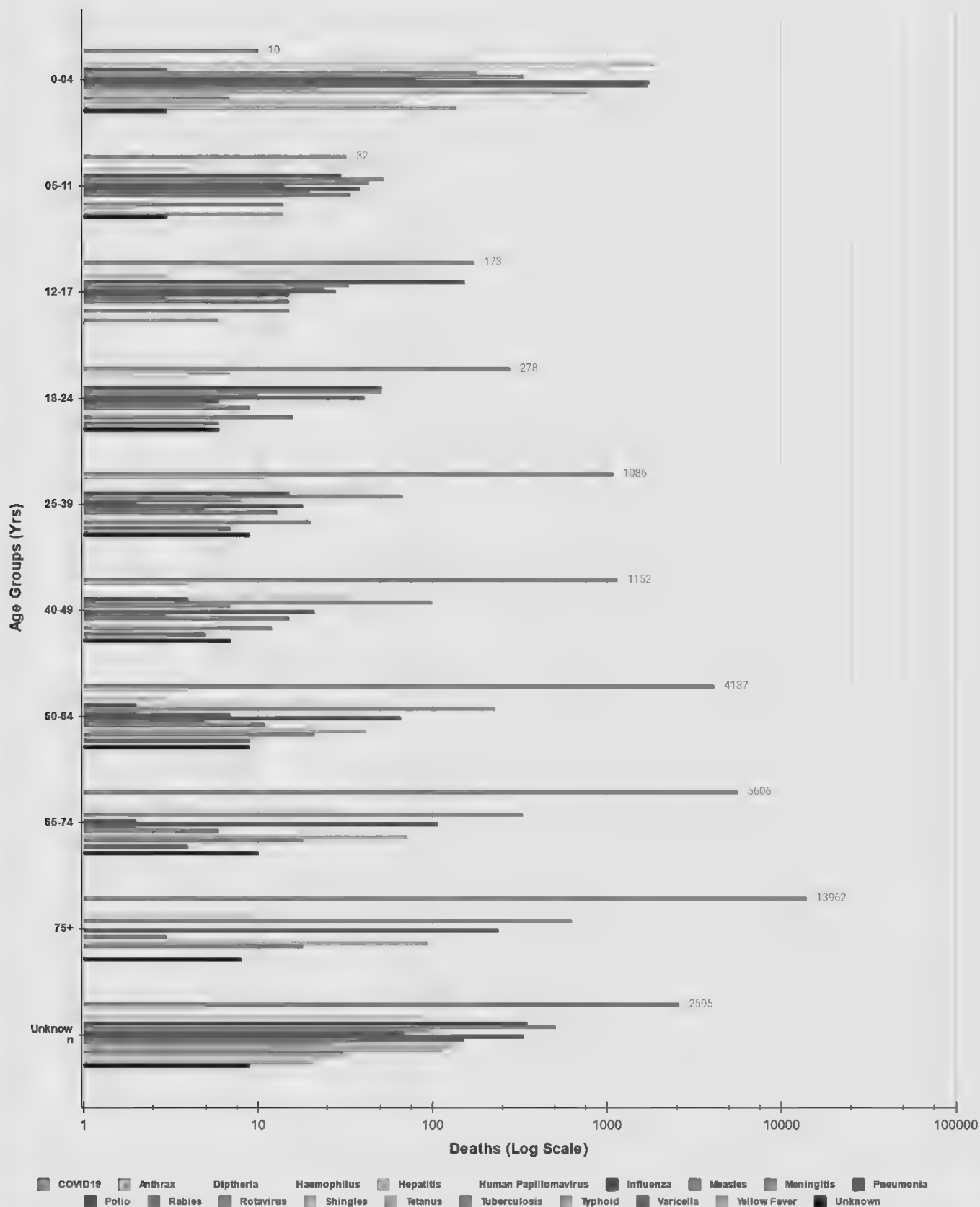
## Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



# Age Stratification of Deaths By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS

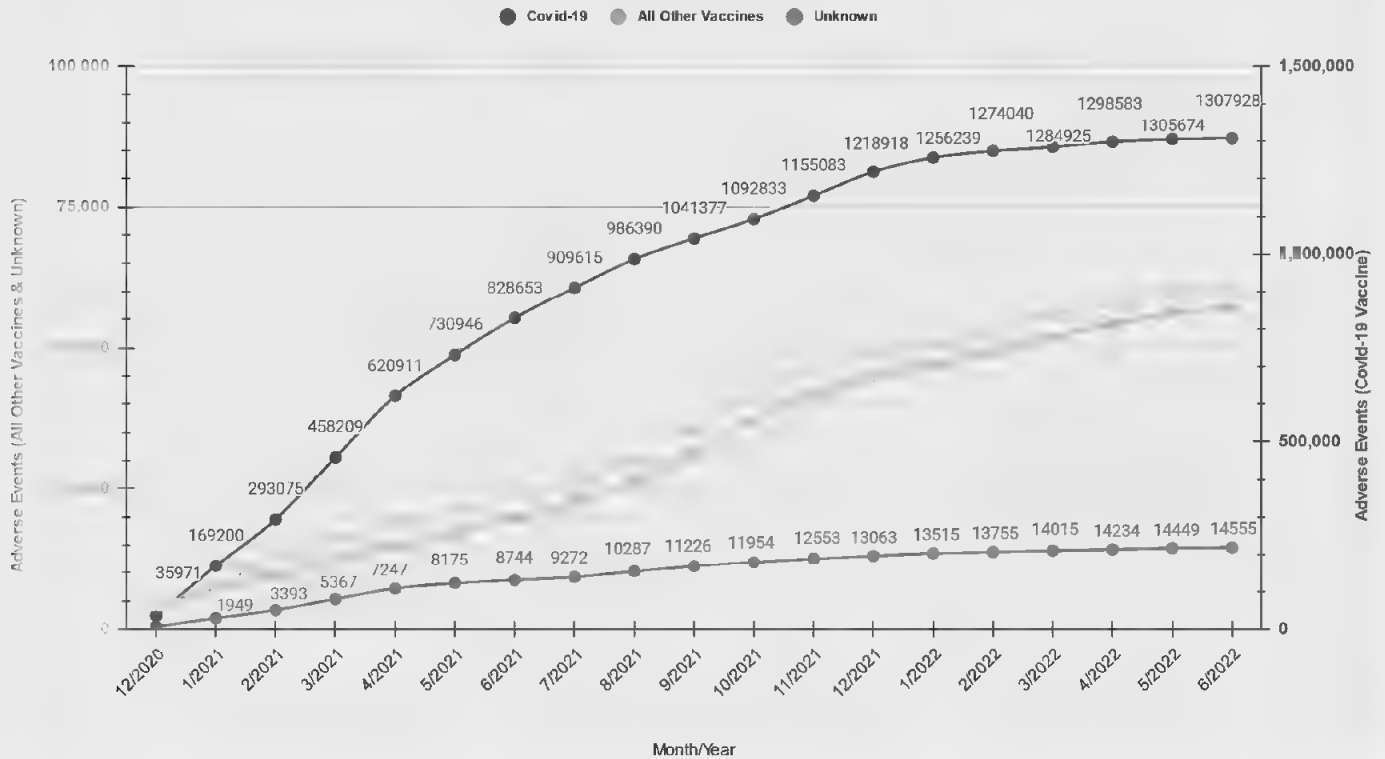


[Vaccines not included above (due to n < 20 overall deaths). Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

## Adverse Events

### Cumulative Reported AEs After Vaccination - 1.5 Year Summary

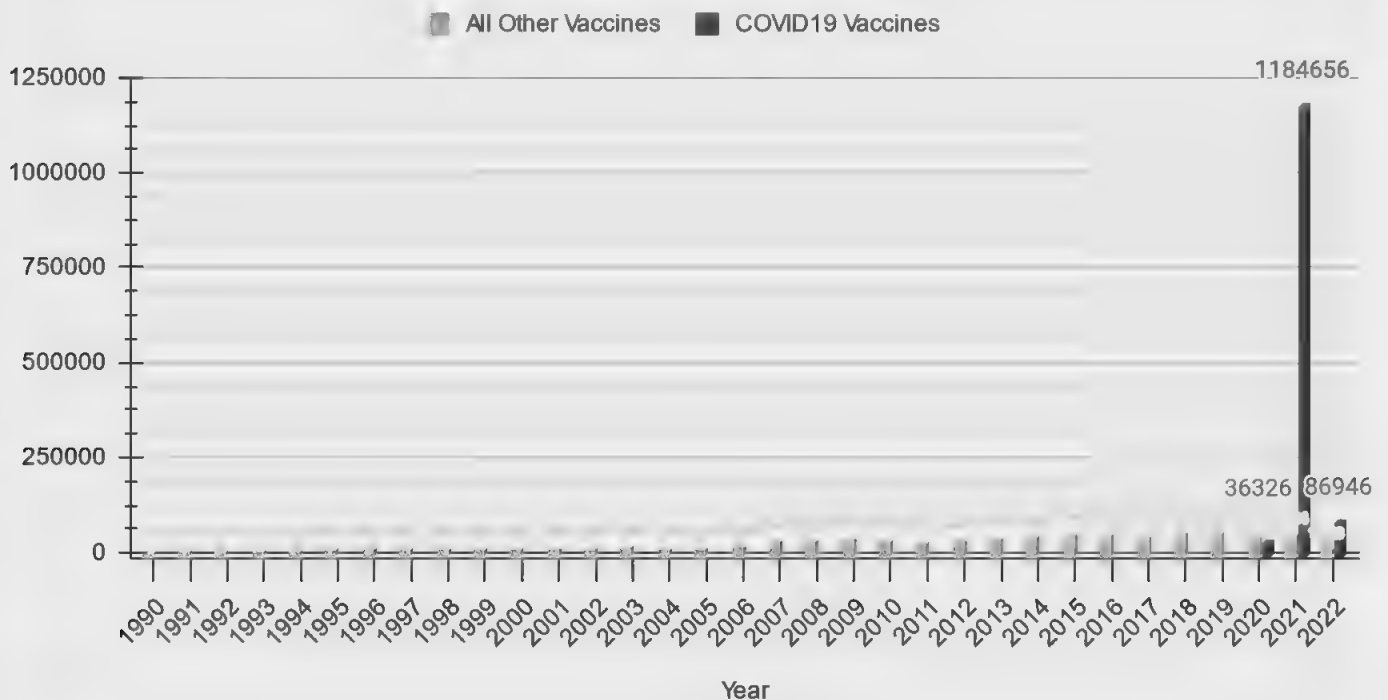
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in many cases the Unknowns are actually Covid-19]

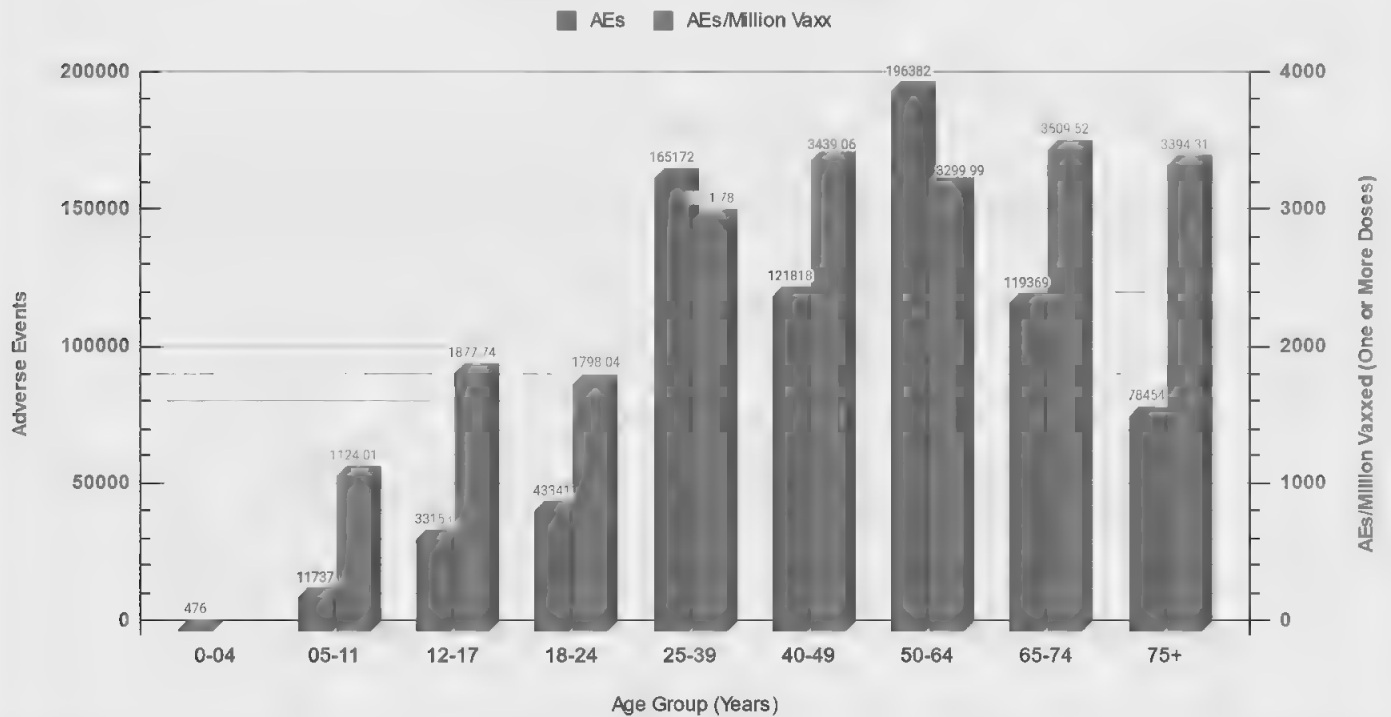
### Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



## Age Stratification of Adverse Events After COVID-19 Vaccination US Data Only

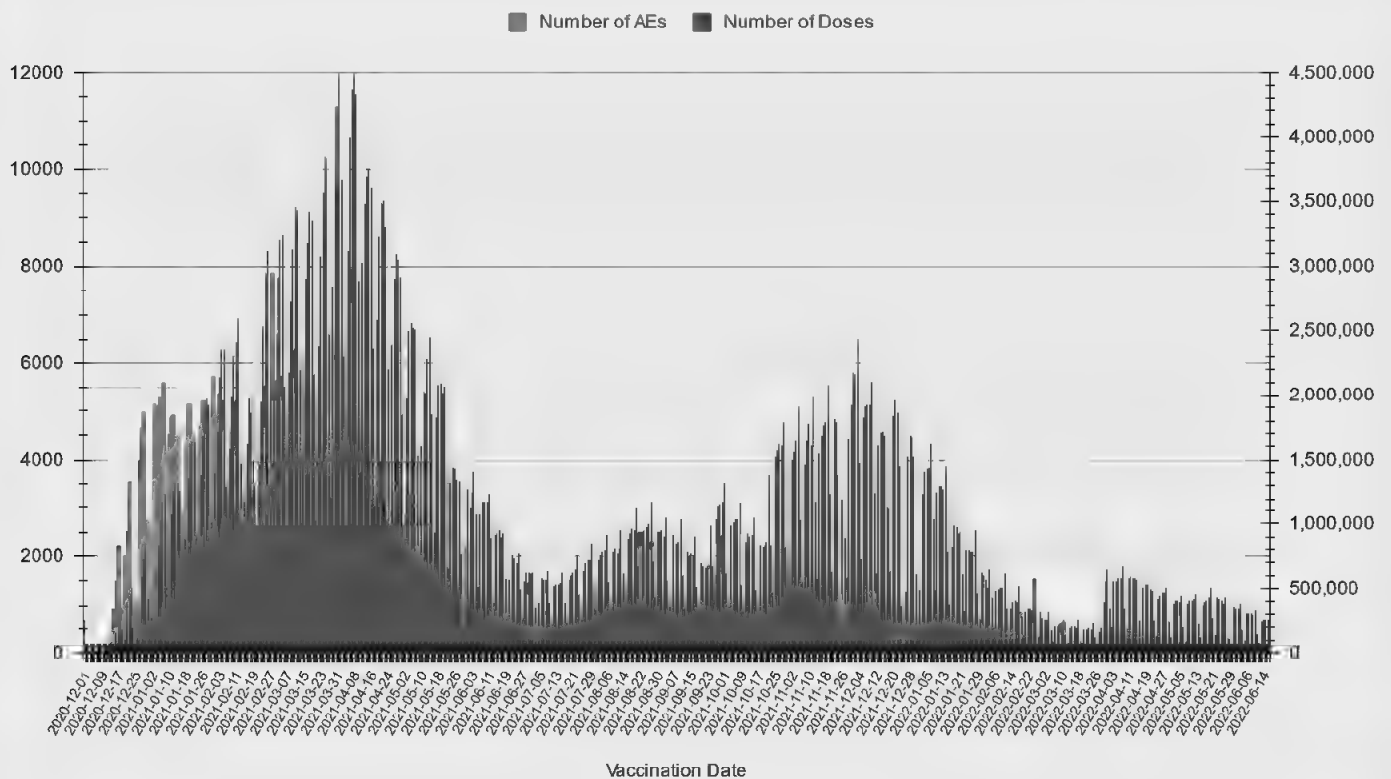
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

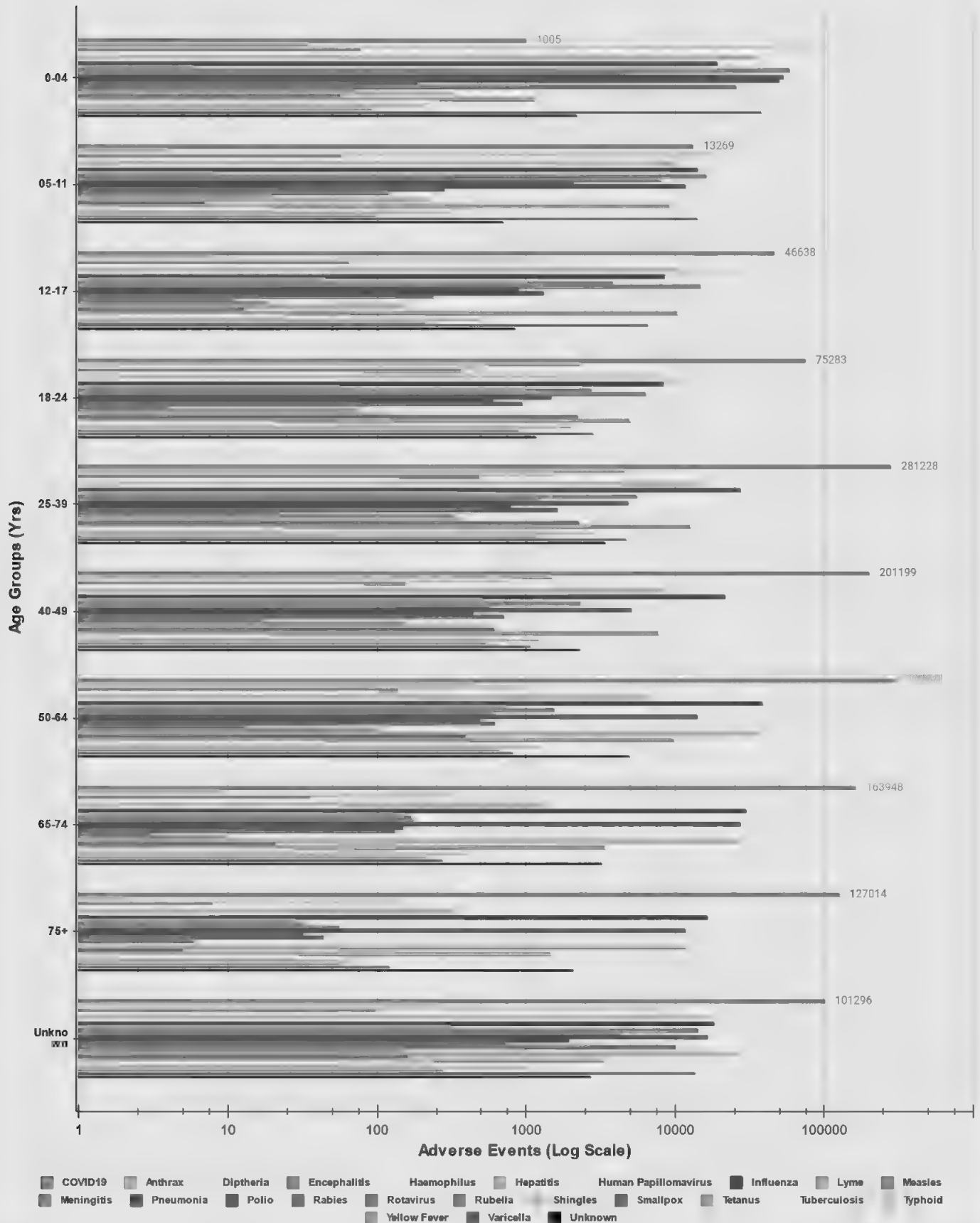
## Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

Data Obtained from CDC's VAERS



# Age Stratification of Adverse Events By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS



[Vaccines not included above (due to n < 500 overall AEs): Adenovirus, Cholera, Dengue Fever, Ebola, Mumps, Pertussis, Plague]

## Symptoms

The slide below was taken from an FDA document from October 22, 2020 and provides a list of possible adverse event outcomes related to the Covid-19 vaccines.

- Source: [Vaccines and Related Biological Products Advisory Committee October 22, 2020 Meeting Presentation](#)

**FDA Safety Surveillance of COVID-19 Vaccines :**  
**DRAFT Working list of possible adverse event outcomes**  
**\*\*\*Subject to change\*\*\***

- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- Autoimmune disease
- Deaths
- Pregnancy and birth outcomes
- Other acute demyelinating diseases
- Non-anaphylactic allergic reactions
- Thrombocytopenia
- Disseminated intravascular coagulation
- Venous thromboembolism
- Arthritis and arthralgia/joint pain
- Kawasaki disease
- Multisystem Inflammatory Syndrome in Children
- Vaccine enhanced disease

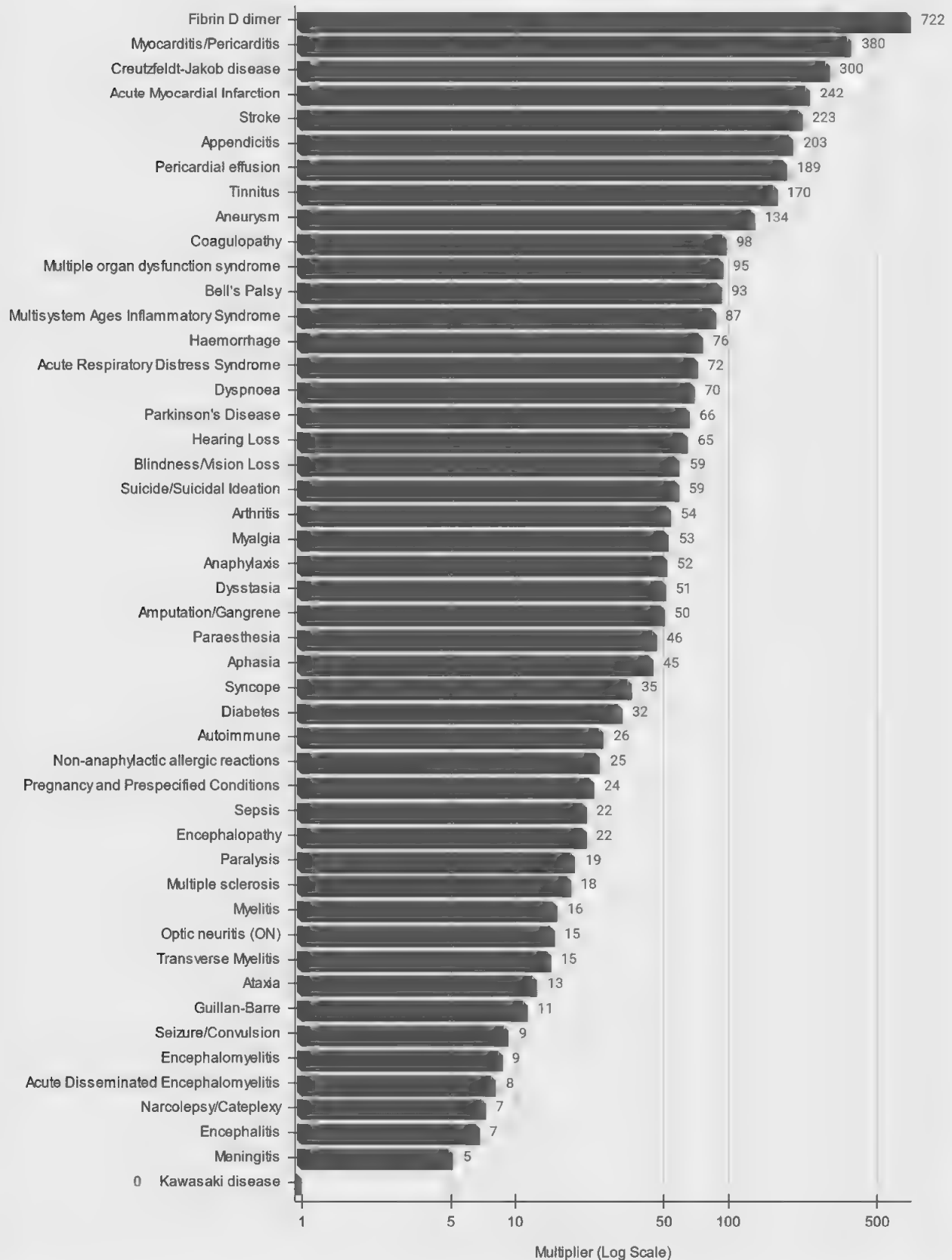
The following table lists the number of adverse events found in the VAERS data which match the outcomes listed above:

FDA listed symptom	Total (Non-Lethal)	Total Deaths	Total (Non-Lethal) AEs for All	Total Deaths for All Other
Guillain-Barre	2731	54	4497	141
Acute Disseminated Encephalomyelitis	206	7	448	30
Transverse Myelitis	612	5	843	15
Encephalitis	2527	328	4870	468
Convulsions/Seizures	16172	527	30003	524
Stroke	15820	1427	1615	111
Narcolepsy, Cataplexy	308	6	384	3
Anaphylaxis	49554	186	41344	166
Acute Myocardial Infarction (Heart Attack)	5224	1478	342	154
Myocarditis/Pericarditis	22619	314	977	88
Autoimmune Disease	1937	32	1114	16
Other Acute Demyelinating Diseases	385	7	861	25
Pregnancy and birth outcomes (Miscarriages)	4504	144	2896	49
Other Allergic Reactions	2403	3	2067	3
Thrombocytopenia	6000	462	3600	132
Disseminated Intravascular Coagulation	262	83	60	25
Venous Thromboembolism	25090	1482	674	114
Arthritis and Arthralgia/Joint Pain	80131	270	29059	78
Kawasaki Disease	93	2	717	9
Systemic Inflammatory Response Syndrome	888	61	366	5



# Average Annual Adverse Events by Symptom for Covid-19 Vaccines as a Multiple of All Other Vaccines Combined since 1990

(Data from VAERS through 6/10/22)



## Vaccination Related Risks of Covid-19 vs. Flu

These set of figures compare the COVID19 vaccine to the traditional Flu vaccines. 'Risk of Death' percentages depend on the '# of Vaccinations' data, which is only approximate, and was pulled from the [CDC's report](#) on Flu vaccination coverage for the 2019-2020 season, and from [CDC's Vaccination Trends in the US](#) for the COVID19 vaccinations.

**Covid19 vaccinations through 5/31/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)**

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642 <sup>[1]</sup>	33	1 in 5,074,171	0.000020%	.20
COVID19	173,361,227 <sup>[2]</sup>	5,790	1 in 29,941	0.003340%	33.40
<b>Risk of dying from COVID vaccine is 169 times greater than Flu Vaccine</b>					

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642	9,728	1 in 17,213	0.00581%	58.10
COVID19	173,361,227	565,086	1 in 307	0.325959%	3,259.59
<b>Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine</b>					

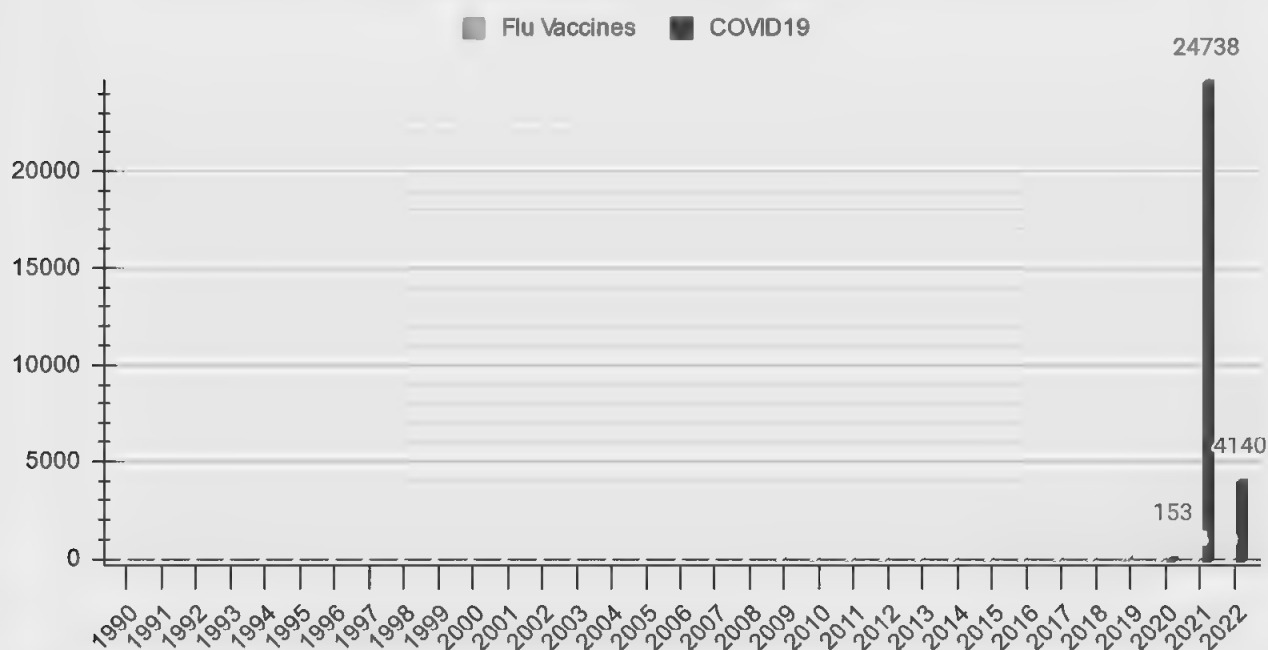
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [CDC's Vaccination Trends in the US](#)

[3] Persons vaccinated with at least one dose

## Reported Deaths by Year, COVID19 vs. Flu Vaccines

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	2525	8.67%	5.3	1636	18,825,144	86.91	476	2/26/21
Moderna	7627	26.19%	13.97	5591	223,938,249	24.97	546	12/18/20
Pfizer/Biontech	18814	64.6%	34.02	6144	350,384,148	17.54	553	12/11/20
Unknown	158	0.54%		53	591,988			

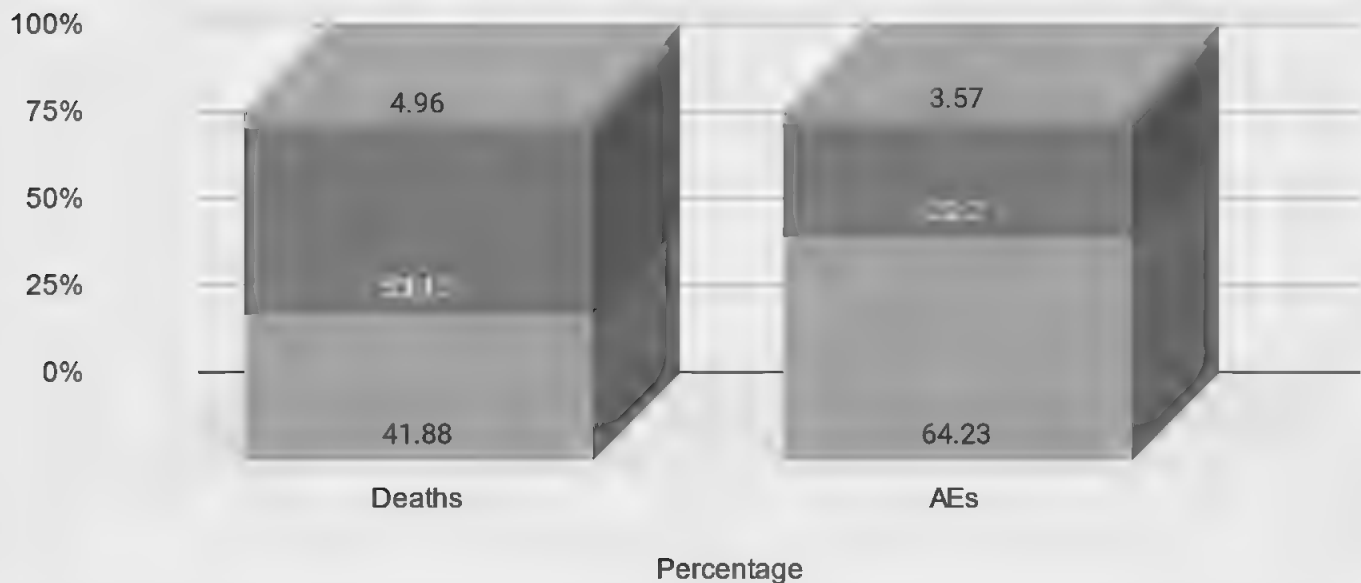
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	89596	6.82%	188.23	69502	18,825,144	3691.98	476	2/26/21
Moderna	456155	34.73%	835.45	380927	223,938,249	1701.04	546	12/18/20
Pfizer/Biontech	762267	58.04%	1378.42	384646	350,384,148	1097.78	553	12/11/20
Unknown	5231	0.4%		27	591,988			

## Vaccine Data by Gender

### Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

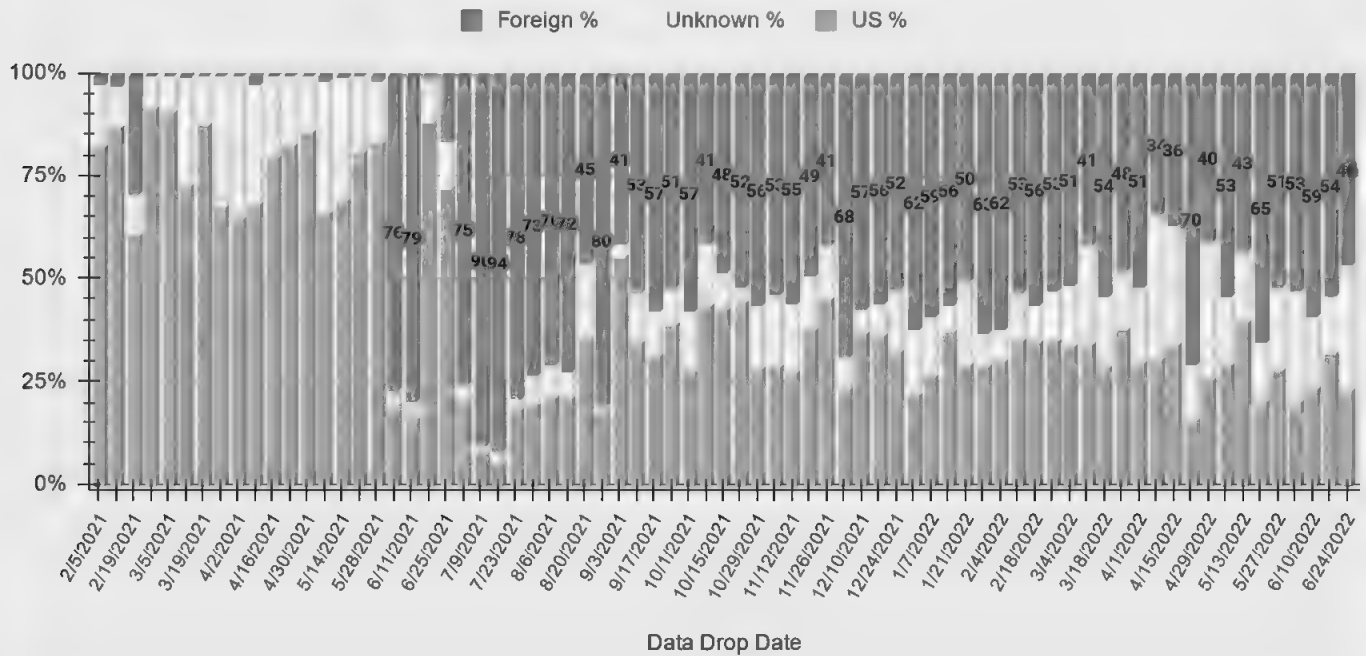
Unknown Male Female



## Vaccine Data by Location

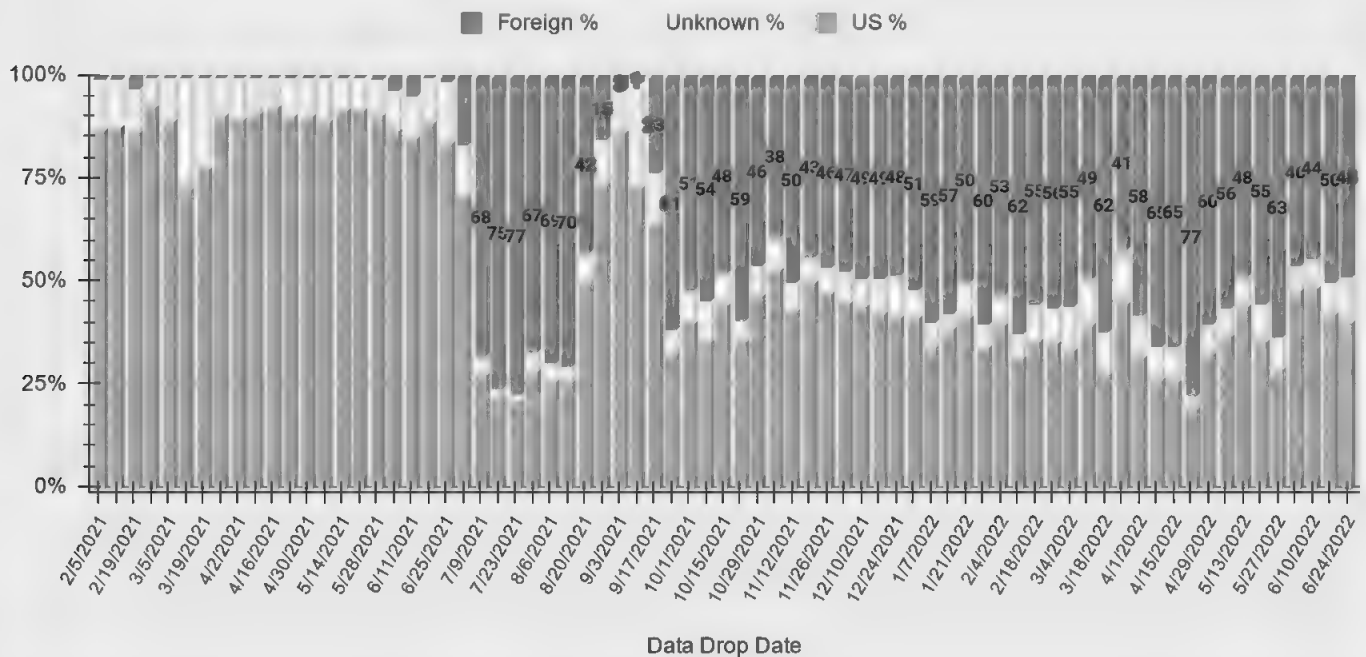
### Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



### Distribution by Location of Reported Adverse Events after COVID19 Vaccination

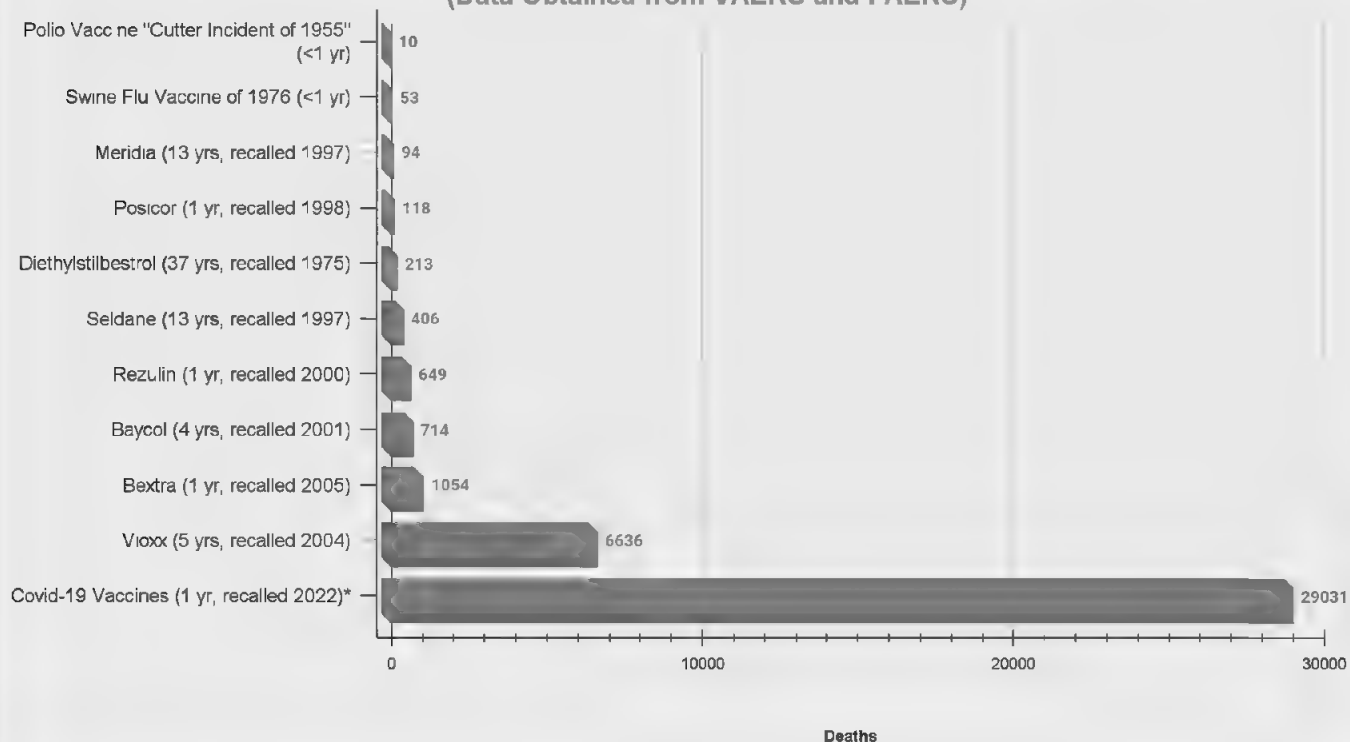
All Data Obtained from CDC's VAERS



## Recall History

### Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



\*Projected

## Sources

Visit: [vaersanalysis.info](https://vaersanalysis.info) for more information

1. Vaccine data (Covid-19 and other vaccines) taken from CDC's VAERS website, located here: <https://vaers.hhs.gov/data/datasets.html>. VAERS data sets in the form of csv files are pulled down weekly and put into a database for reporting/analysis. Data files are available all the way back to 1990.
2. Number of doses distributed for other vaccines found in NVICP Data and Statistics report here: <https://www.hrsa.gov/sites/default/files/hrsa/vaccine-compensation/data/data-statistics-report.pdf>
3. Numbers for Covid-19 vaccines administered by manufacturer found here: [https://covid.cdc.gov/covid-data-tracker/#vaccinations\\_vacc-total-admin-rate-total](https://covid.cdc.gov/covid-data-tracker/#vaccinations_vacc-total-admin-rate-total)
4. Numbers for total Covid-19 vaccine doses administered found here: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccination-Trends-in-the-United-States-N/rh2h-3yt2>
5. Numbers for Flu vaccine doses administered for 2019-2020 season found here: <https://www.cdc.gov/flu/fluview/covaxview/coverage-1920estimates.htm>
6. Numbers for FDA regulated drugs taken from FDA's FAERS website, located here: <https://www.fda.gov/drugs/questions-and-answers-fdas-adverse-event-reporting-system-faers/fda-adverse-event-reporting-system-faers-public-dashboard>

# VAERS Summary for COVID-19 Vaccines through 6/3/2022

All charts and tables below reflect the data release on 6/10/2022 from the VAERS website, which includes U.S. and foreign data, and is updated through: **6/3/2022**.

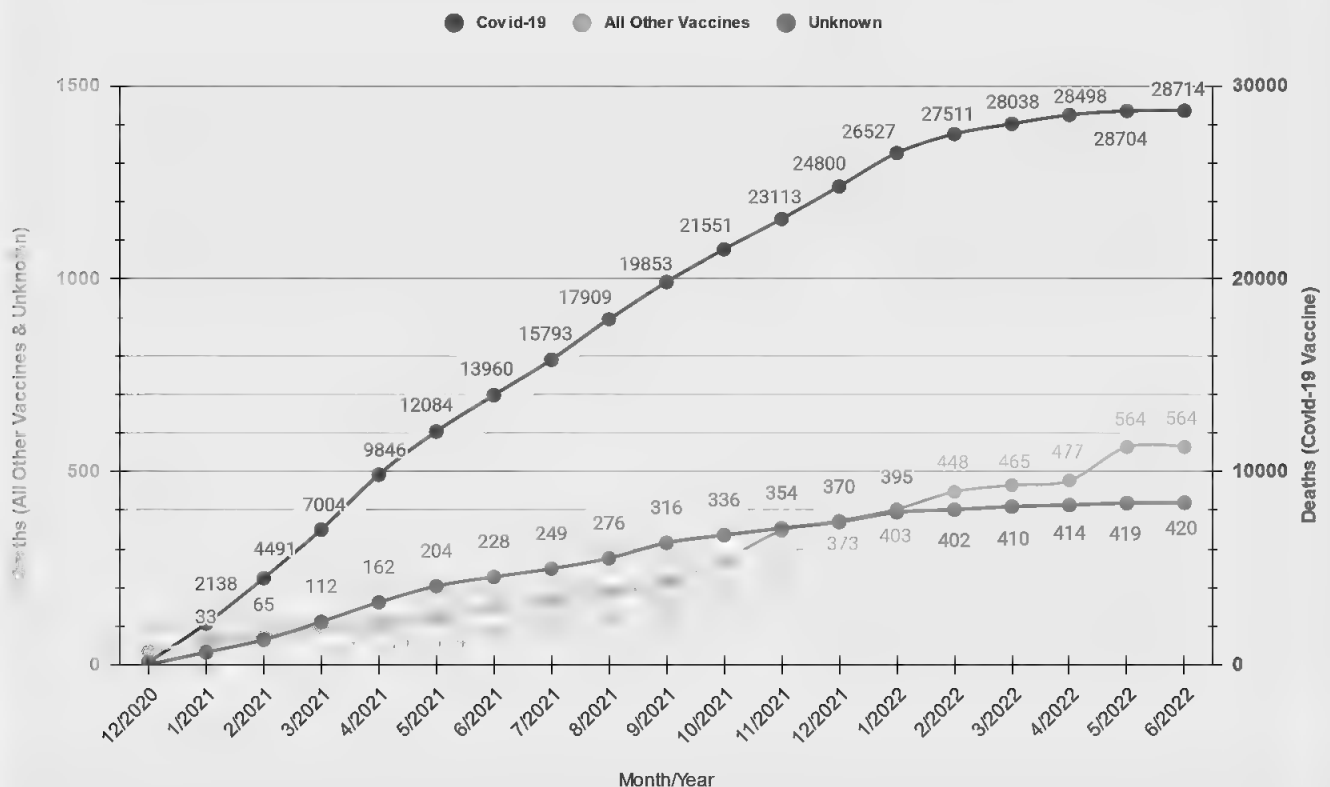
High-Level Summary	COVID19 vaccines (Dec'2020 - present)	All other vaccines 1990-present	US Data Only COVID19 vaccines (Dec 2020 - present)	US Data Only All other vaccines 1990-present
Number of Adverse Reactions	1,295,329	883,830	829,309	768,105
Number of Life-Threatening Events	32,039	14,570	12,765	9,999
Number of Hospitalizations	161,913	84,451	63,680	39,323
Number of Deaths	28,714*	9,779*	13,225	5,361
# of Permanent Disabilities after vaccination	53,621	21,140	14,194	13,061
Number of Office Visits	194,584	51,630	163,397	49,290
# of Emergency Room/Department Visits	129,977	213,454	100,186	203,792
# of Birth Defects after vaccination	1,095	199	517	108

\*Note that the total number of deaths associated with the COVID-19 vaccines is more than double the number of deaths associated with all other vaccines combined since the year 1990.

## Deaths

### Cumulative Reported Deaths After Vaccination - 1.5 Year Summary

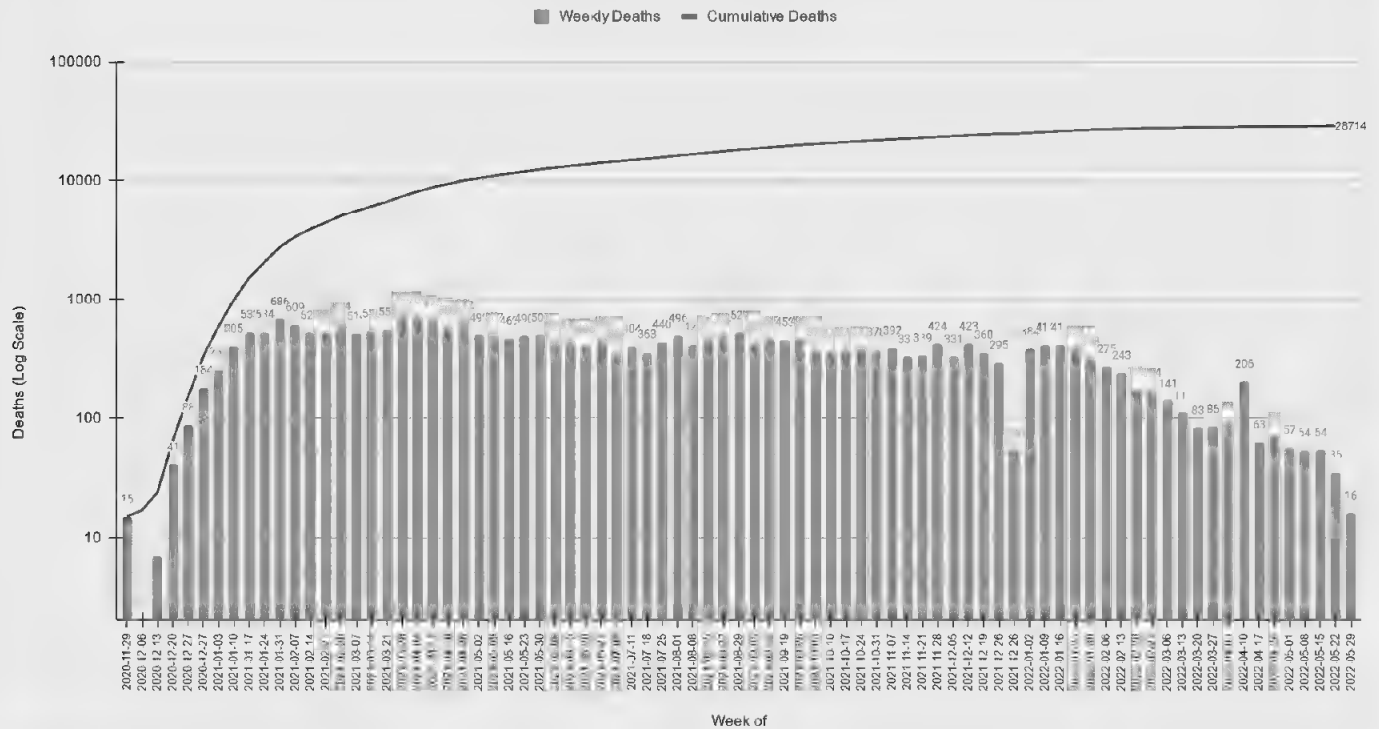
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in a majority of cases the Unknowns are actually Covid-19]

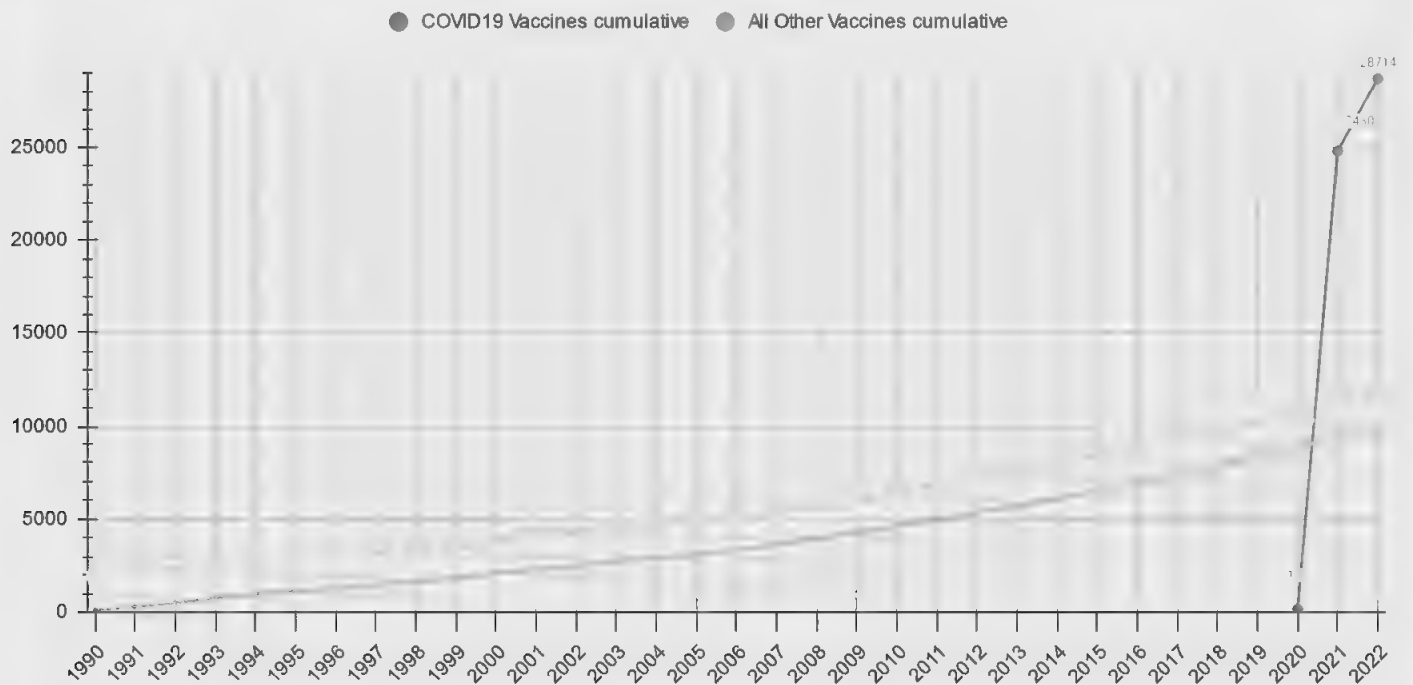
## Reported Deaths by Week, COVID19 Vaccines

Data Obtained from CDC's VAERS



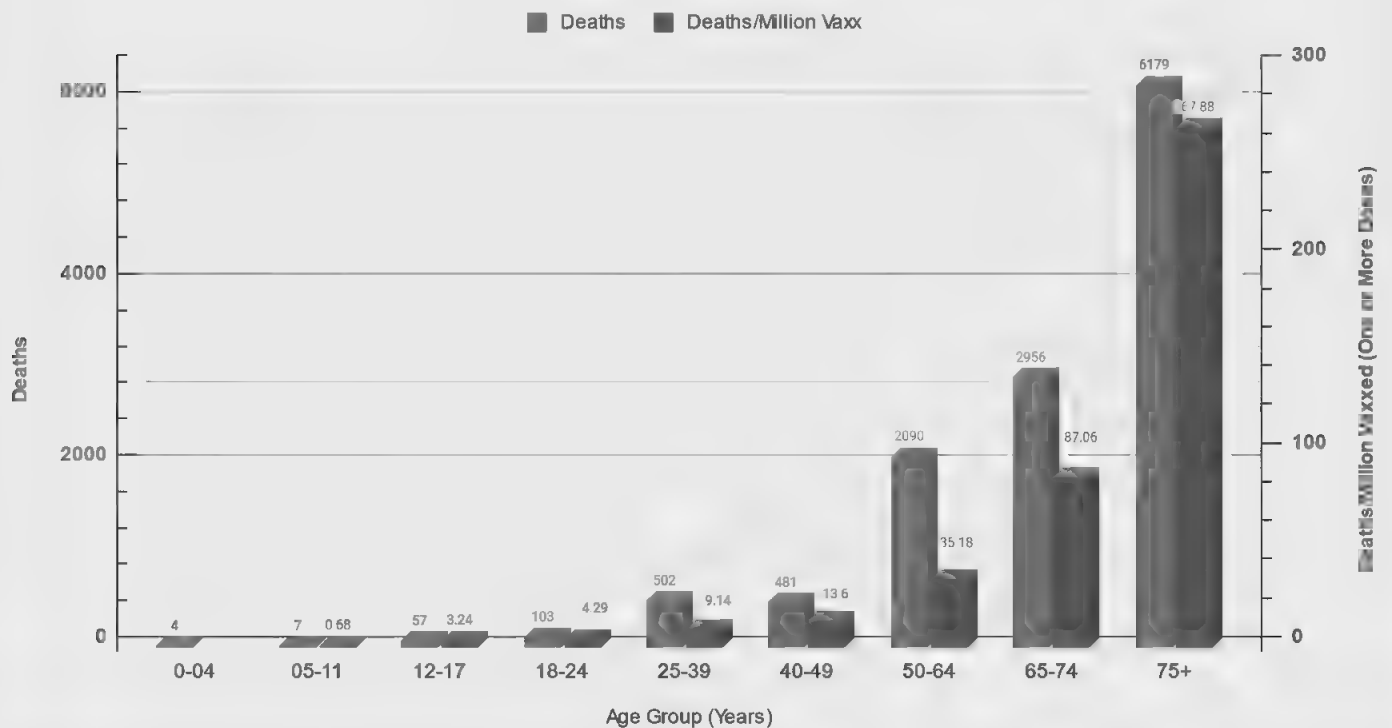
## Reported Deaths by Year, COVID19 vs. All Other Vaccines, Cumulatively

Data Obtained from CDC's VAERS



## Age Stratification of Deaths After COVID-19 Vaccination US Data Only

Data Obtained from CDC's VAERS

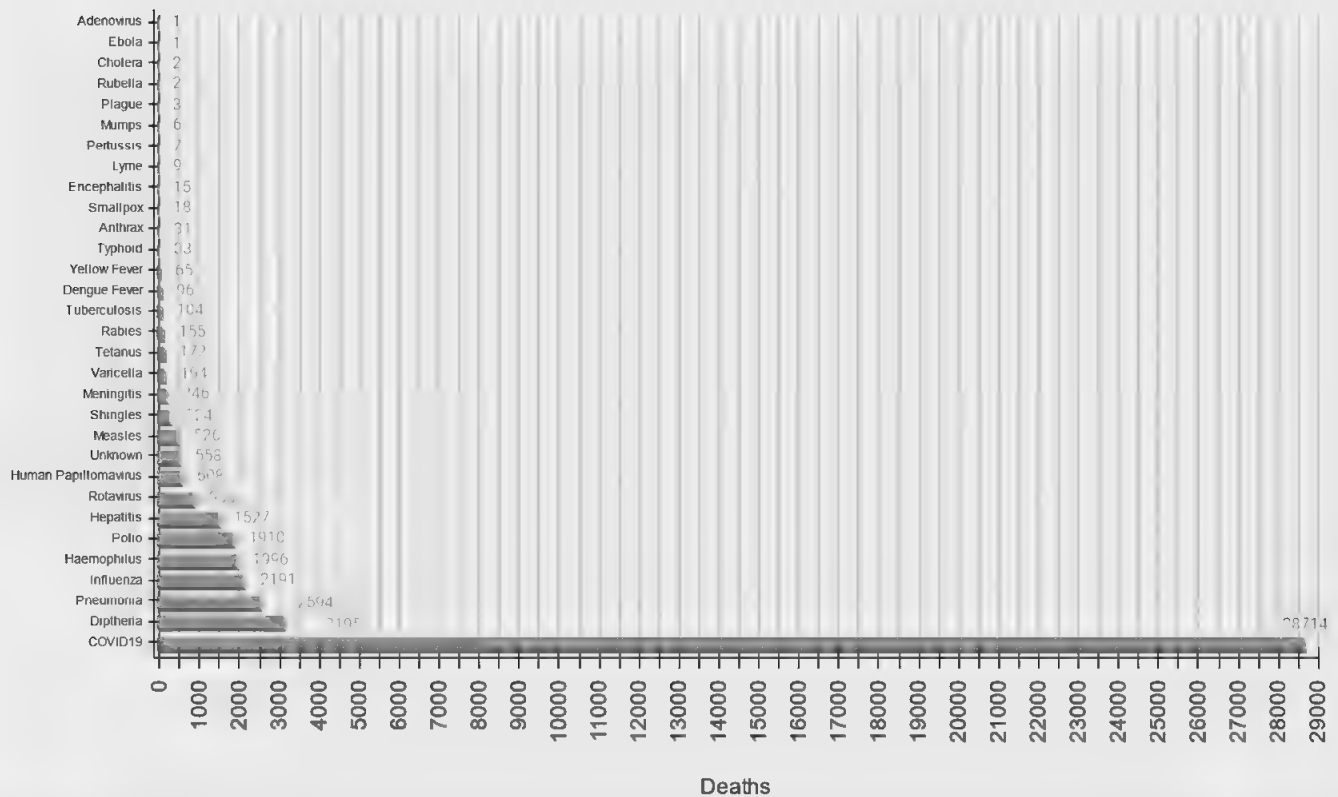


[Deaths/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]



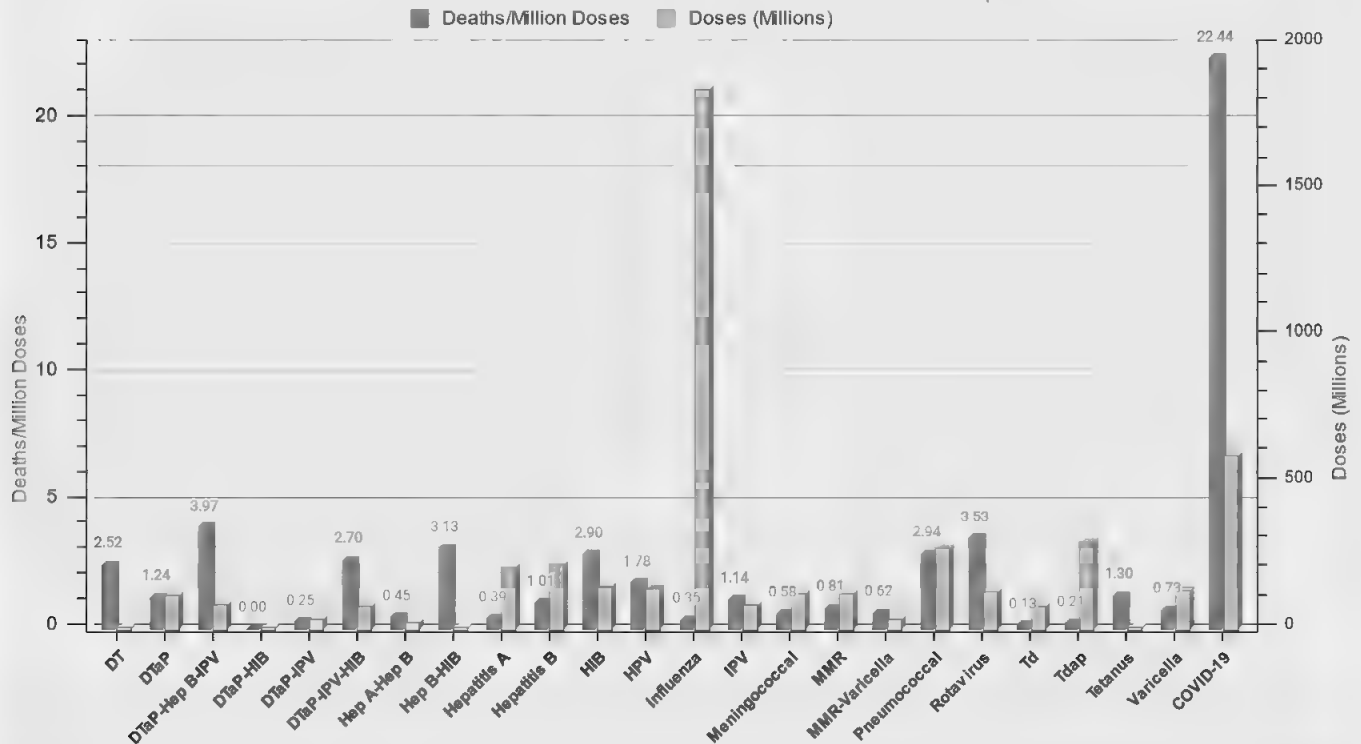
## Reported Deaths By Vaccine Type, 1990-Present

Data Obtained from CDC's VAERS



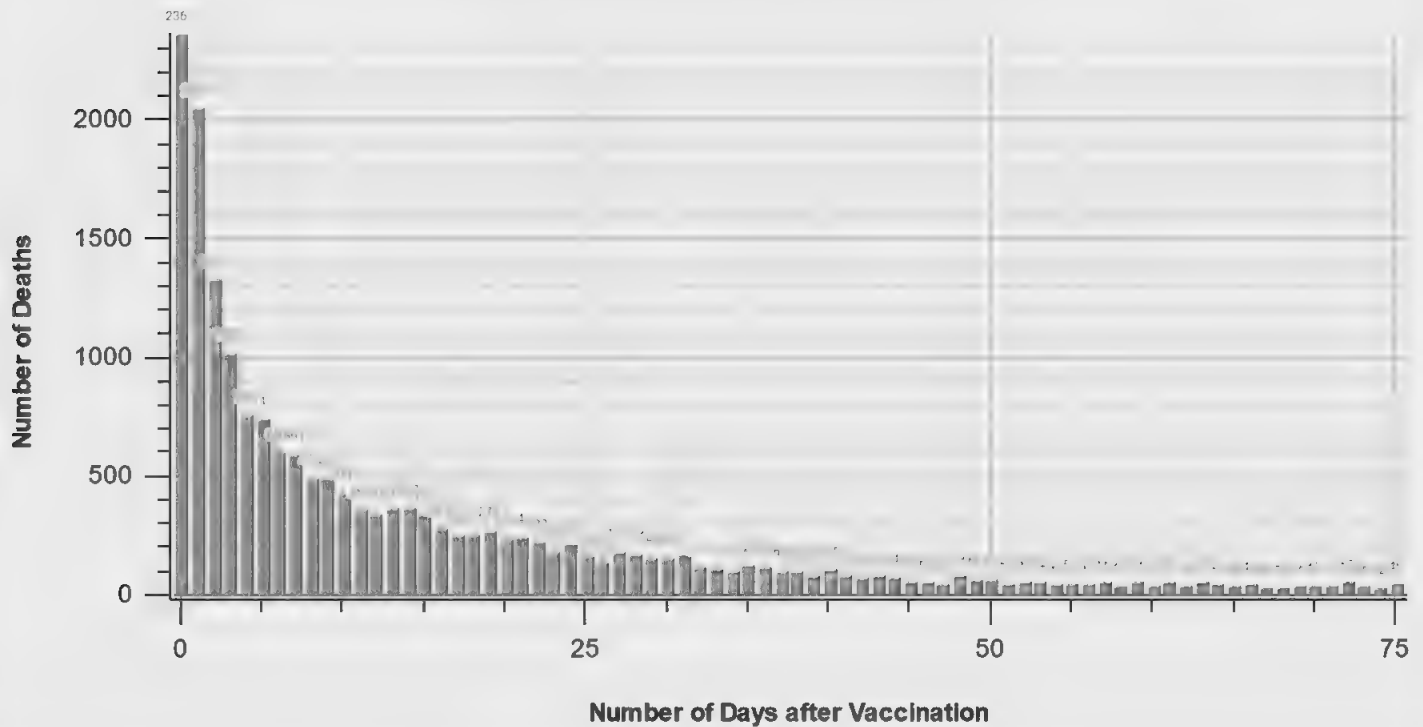
## Deaths Per Million Doses (US Only) Traditional Vaccines (2006 - 2019), Covid-19 Vaccines (2020-Present)

Data Obtained from CDC's VAERS and NVICP data & statistics report



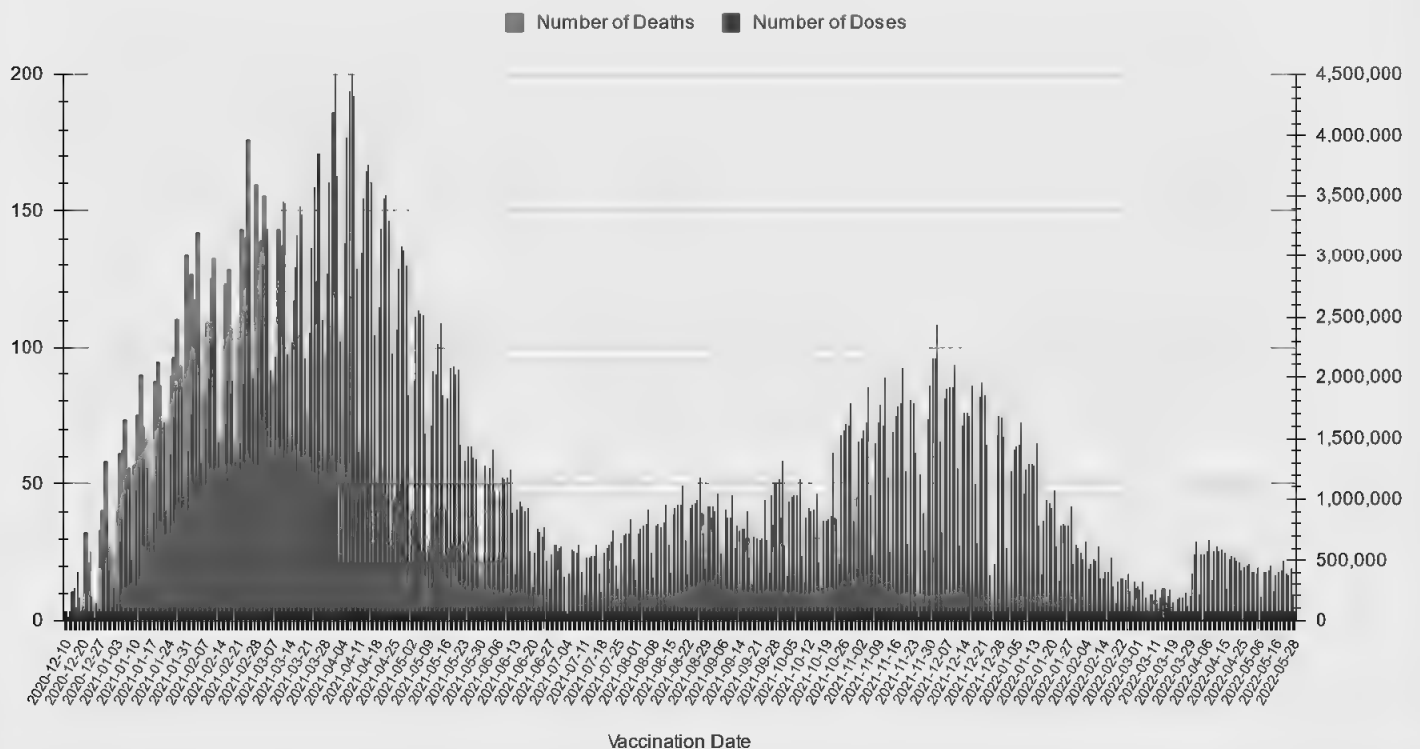
## Number of Deaths by Days After COVID19 Vaccination

Data obtained from CDC's VAERS



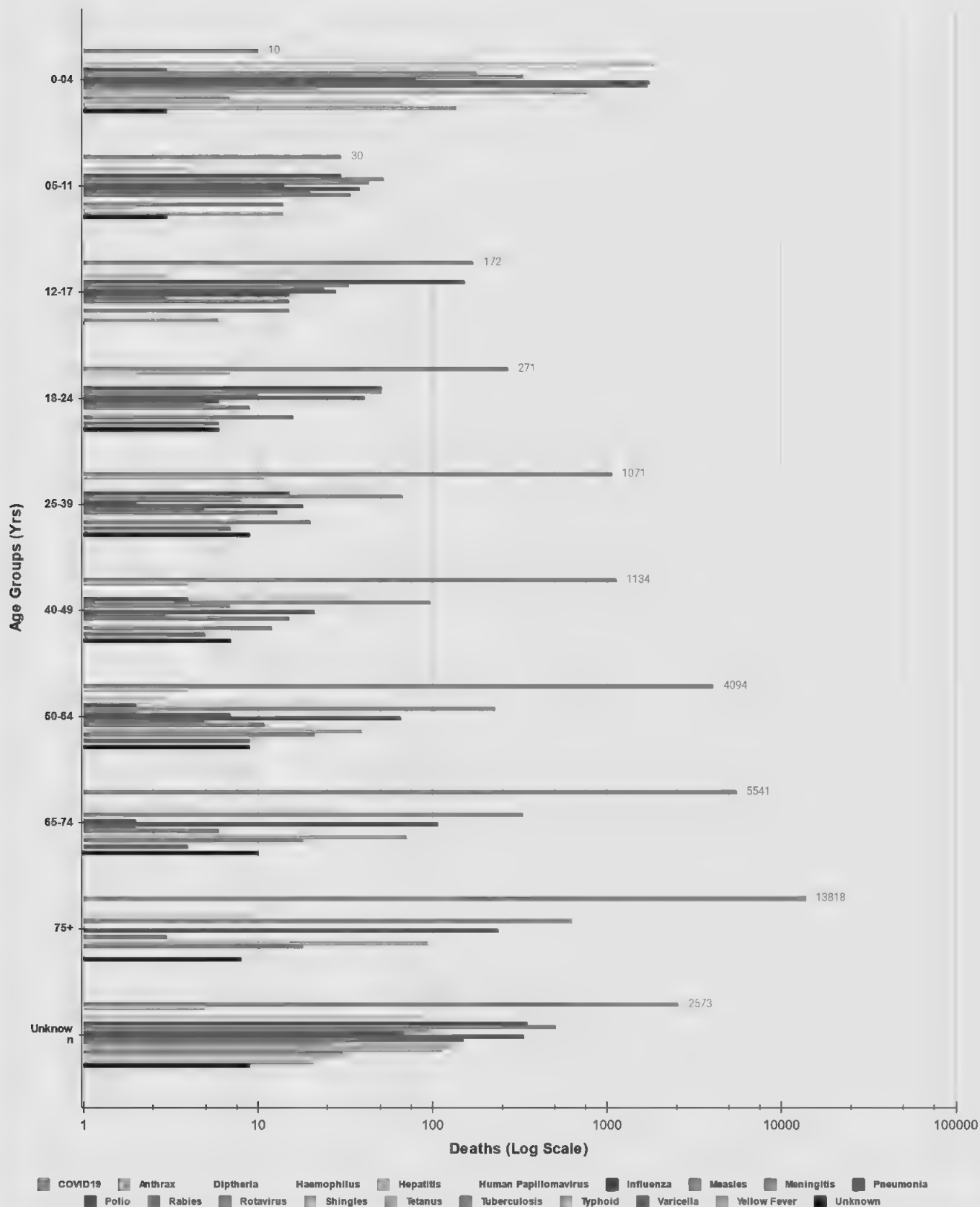
## Reported Deaths Daily vs. Doses Administered for COVID19 Vaccines (US Data Only)

Data Obtained from CDC's VAERS & CDC



# Age Stratification of Deaths By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS

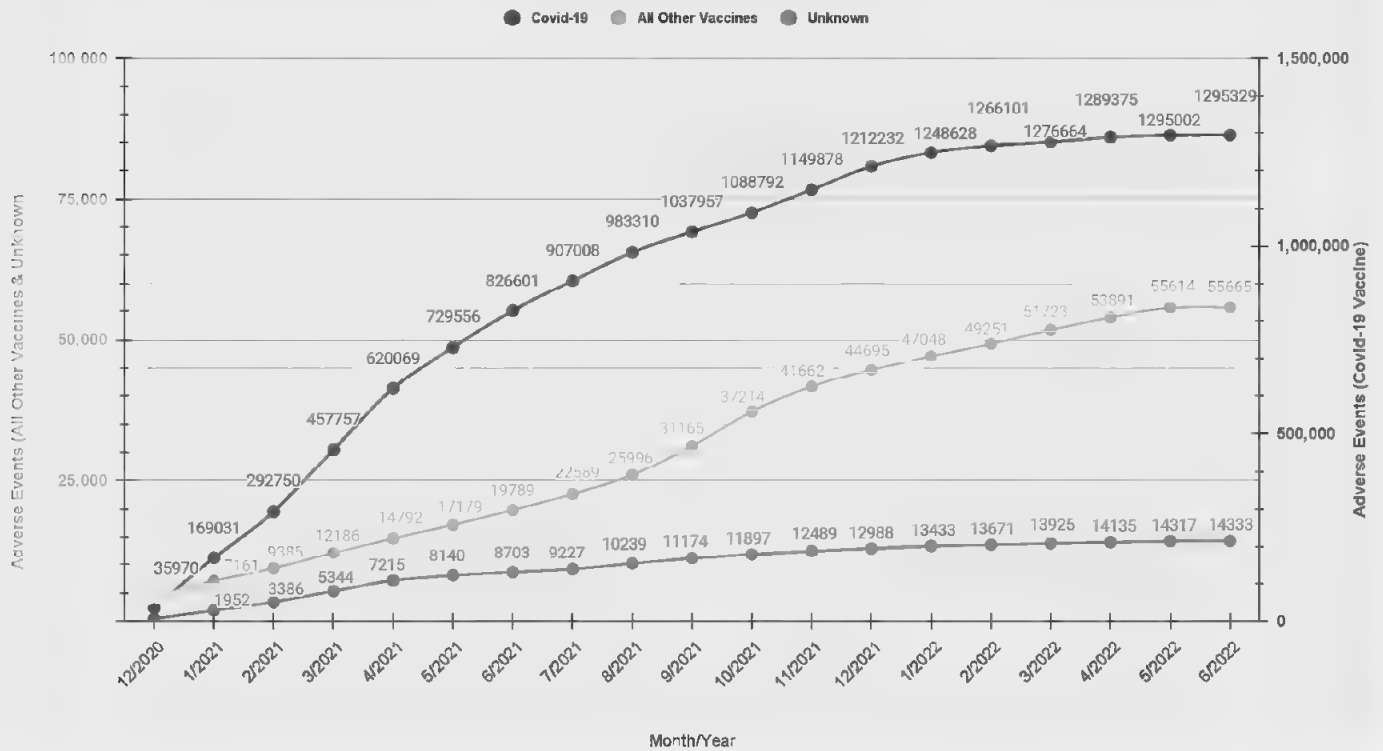


[Vaccines not included above (due to n < 20 overall deaths). Adenovirus, Cholera, Dengue Fever, Encephalitis, Ebola, Lyme, Mumps, Pertussis, Plague, Rubella, Smallpox]

## Adverse Events

### Cumulative Reported AEs After Vaccination - 1.5 Year Summary

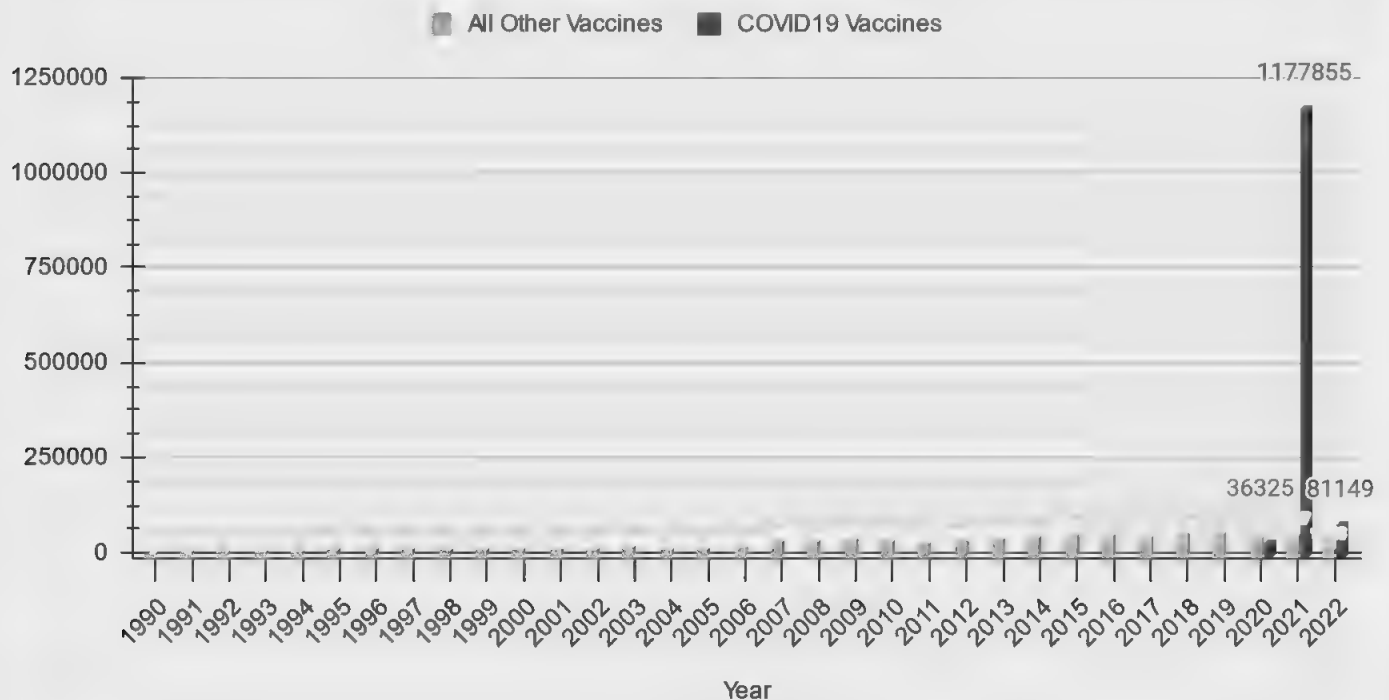
Data obtained from CDC's VAERS



[Unknowns separated from All Other Vaccines for greater clarity; in many cases the Unknowns are actually Covid-19]

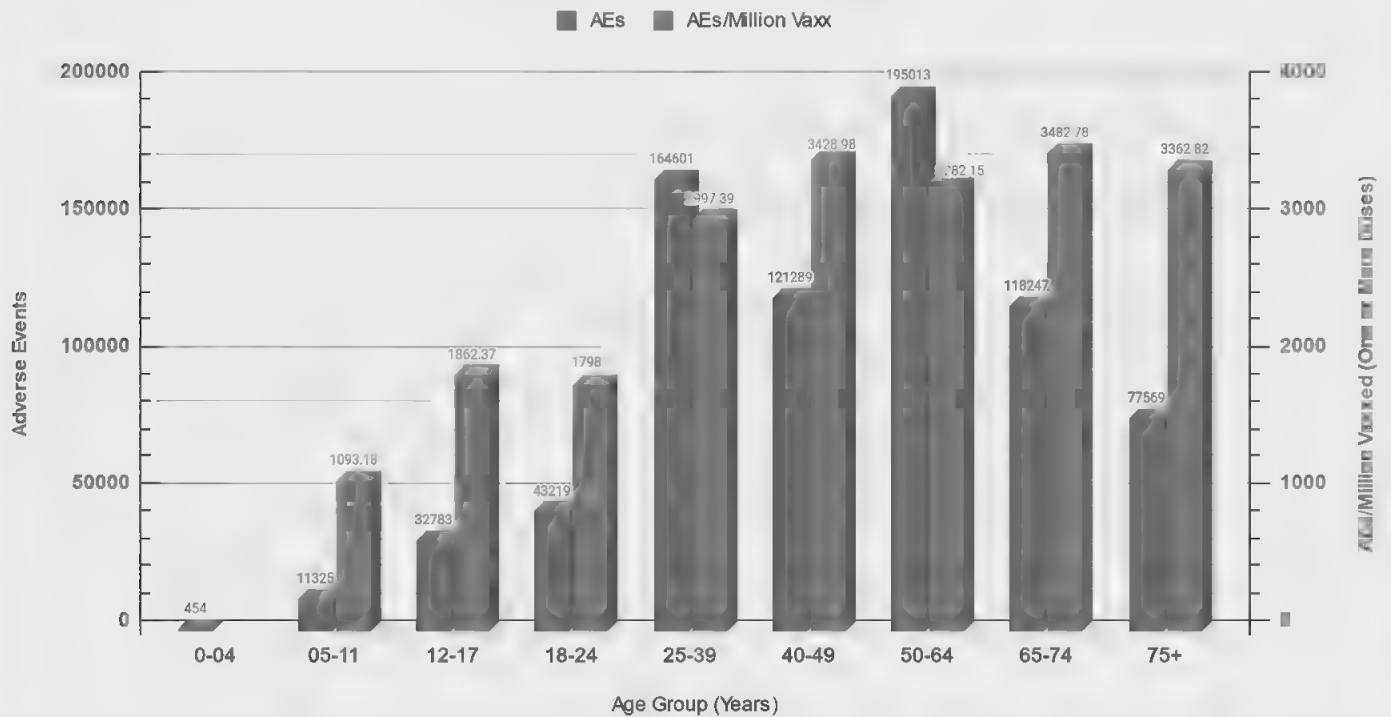
### Reported Adverse Events by Year, COVID19 vs. All Other Vaccines

Data obtained from CDC's VAERS



## Age Stratification of Adverse Events After COVID-19 Vaccination US Data Only

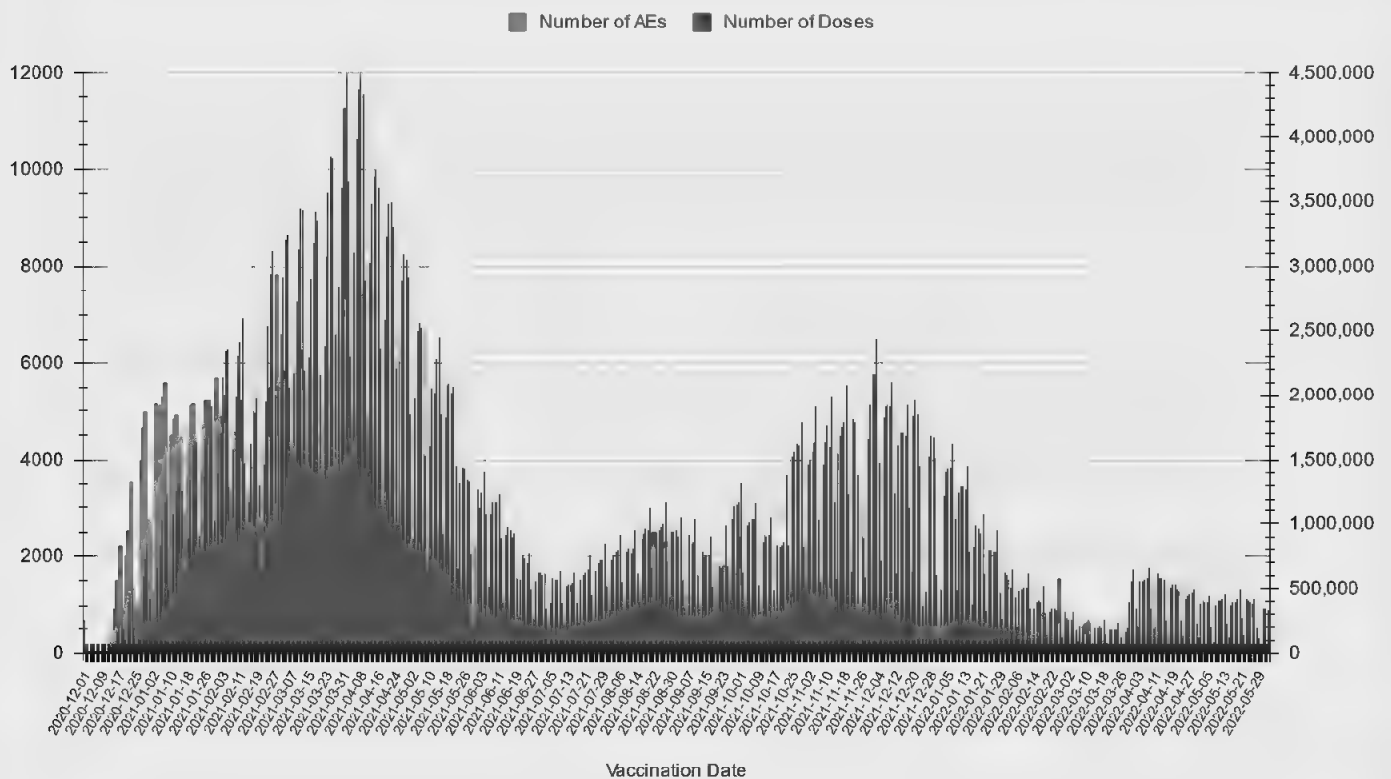
Data obtained from CDC's VAERS



[AEs/Million Vaxxed not available for 0-4 yo group as the vaccination data is not available from the CDC for that age range]

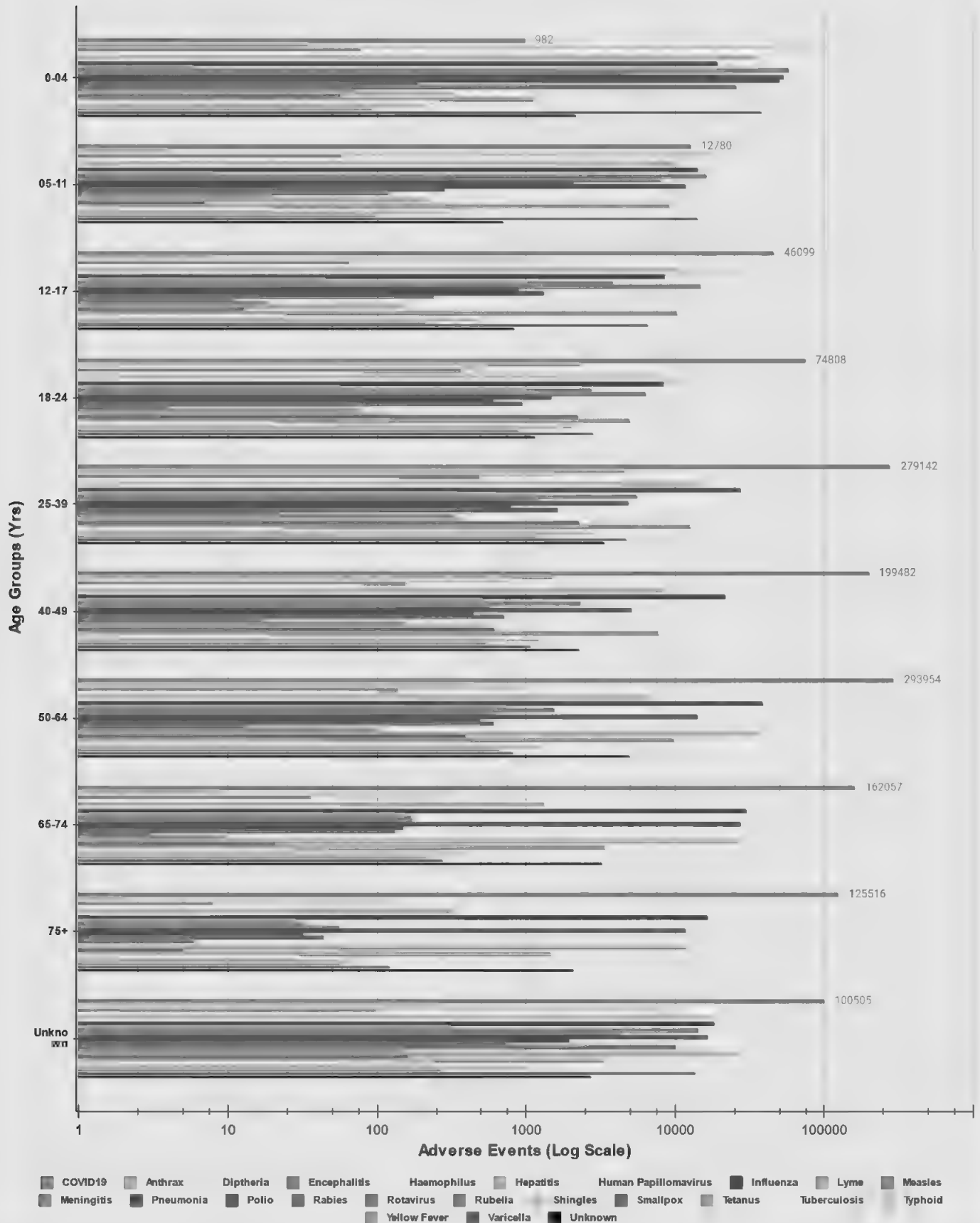
## Reported Adverse Events Daily, COVID19 Vaccines vs. Doses Administered (US Data Only)

Data Obtained from CDC's VAERS



# Age Stratification of Adverse Events By Vaccine Type (US+Foreign) (1990-Present)

Data Obtained from CDC's VAERS



[Vaccines not included above (due to n < 500 overall AEs): Adenovirus, Cholera, Dengue Fever, Ebola, Mumps, Pertussis, Plague]

## Symptoms

The slide below was taken from an FDA document from October 22, 2020 and provides a list of possible adverse event outcomes related to the Covid-19 vaccines.

- Source: [Vaccines and Related Biological Products Advisory Committee October 22, 2020 Meeting Presentation](#)

**FDA Safety Surveillance of COVID-19 Vaccines :**  
**DRAFT Working list of possible adverse event outcomes**  
**\*\*\*Subject to change\*\*\***

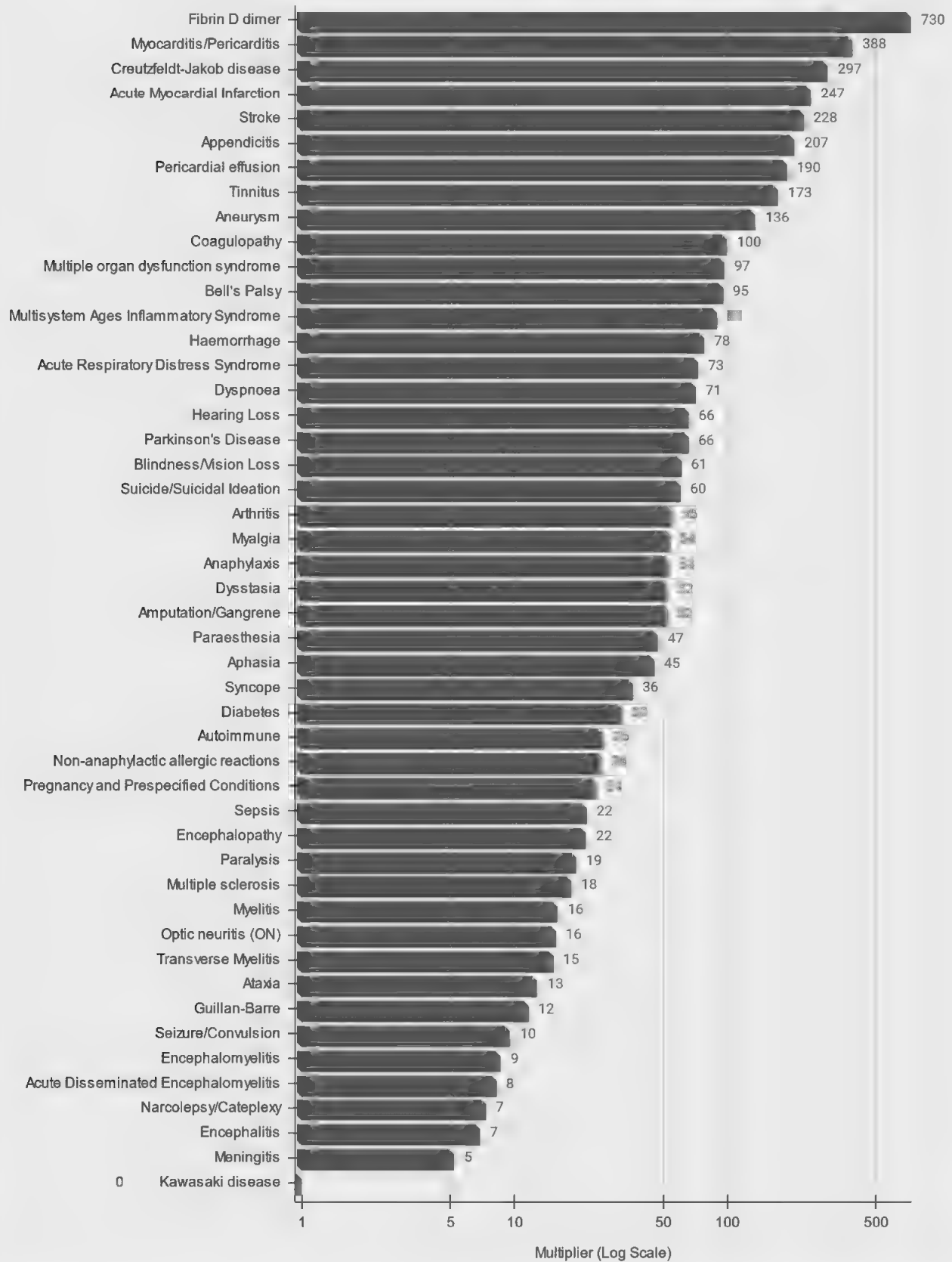
- Guillain-Barré syndrome
- Acute disseminated encephalomyelitis
- Transverse myelitis
- Encephalitis/myelitis/encephalomyelitis/meningoencephalitis/meningitis/encephalopathy
- Convulsions/seizures
- Stroke
- Narcolepsy and cataplexy
- Anaphylaxis
- Acute myocardial infarction
- Myocarditis/pericarditis
- Autoimmune disease
- Deaths
- Pregnancy and birth outcomes
- Other acute demyelinating diseases
- Non-anaphylactic allergic reactions
- Thrombocytopenia
- Disseminated intravascular coagulation
- Venous thromboembolism
- Arthritis and arthralgia/joint pain
- Kawasaki disease
- Multisystem Inflammatory Syndrome in Children
- Vaccine enhanced disease

The following table lists the number of adverse events found in the VAERS data which match the outcomes listed above:

FDA listed symptom	Total (Non-Lethal)	Total Deaths	Total (Non-Lethal) AEs for All	Total Deaths for All Other
Guillain-Barre	2692	54	4488	141
Acute Disseminated Encephalomyelitis	201	7	447	30
Transverse Myelitis	611	5	842	15
Encephalitis	2476	323	4864	456
Convulsions/Seizures	16008	519	29973	520
Stroke	15676	1409	1612	110
Narcolepsy, Cataplexy	306	6	383	3
Anaphylaxis	49387	185	41305	151
Acute Myocardial Infarction (Heart Attack)	5175	1467	341	154
Myocarditis/Pericarditis	22411	311	976	88
Autoimmune Disease	1879	32	1111	16
Other Acute Demyelinating Diseases	377	7	859	25
Pregnancy and birth outcomes (Miscarriages)	4471	144	2895	49
Other Allergic Reactions	2380	3	2061	3
Thrombocytopenia	5924	456	3591	132
Disseminated Intravascular Coagulation	258	81	60	25
Venous Thromboembolism	24819	1473	673	113
Arthritis and Arthralgia/Joint Pain	79452	265	29012	77
Kawasaki Disease	93	2	717	9
Systemic Inflammatory Response Syndrome	867	61	366	5

# Average Annual Adverse Events by Symptom for Covid-19 Vaccines as a Multiple of All Other Vaccines Combined since 1990

(Data from VAERS through 6/3/22)





## Vaccination Related Risks of Covid-19 vs. Flu

These set of figures compare the COVID19 vaccine to the traditional Flu vaccines. 'Risk of Death' percentages depend on the '# of Vaccinations' data, which is only approximate, and was pulled from the [CDC's report](#) on Flu vaccination coverage for the 2019-2020 season, and from [CDC's Vaccination Trends in the US](#) for the COVID19 vaccinations.

**Covid19 vaccinations through 5/31/2021 vs. Flu vaccinations 7/1/2019 - 5/31/2020 (last complete flu season)**

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Deaths	Risk of Death	Percentage	Deaths/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642 <sup>[1]</sup>	33	1 in 5,074,171	0.000020%	.20
COVID19	173,308,233 <sup>[2]</sup>	5,784	1 in 29,963	0.003337%	33.37
<b>Risk of dying from COVID vaccine is 169 times greater than Flu Vaccine</b>					

Vaccine Type	# of Vaccinations <sup>[3]</sup>	# of Adverse Reactions	Risk of Adverse Reaction	Percentage	AEs/Mill. Vaccinations <sup>[3]</sup>
Flu	167,447,642	9,725	1 in 17,218	0.005808%	58.08
COVID19	173,308,233	564,846	1 in 307	0.32592%	3,259.20
<b>Risk of adverse reaction from COVID vaccine is 56 times greater than Flu Vaccine</b>					

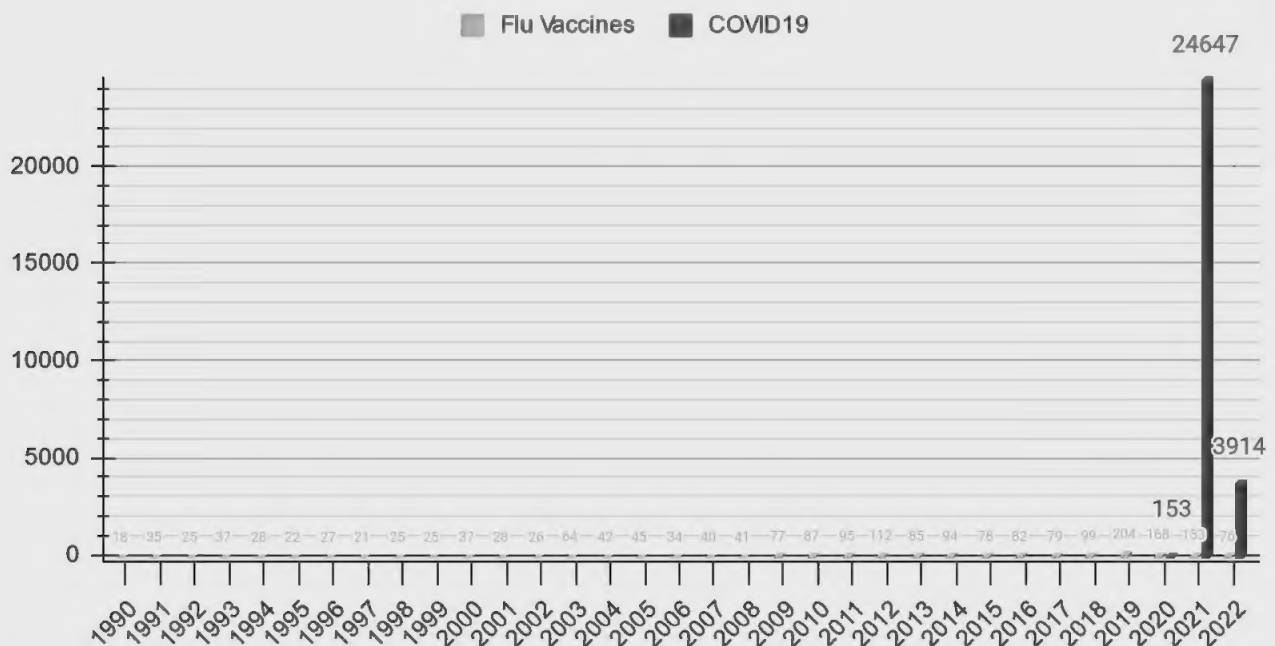
[1] number of flu vaccinations based on estimated flu vaccine coverage data from [CDC](#) and estimated population data from [US Census](#). Yearly flu vaccination data covers a period of time from 7/1 to 5/31 of the following year.

[2] number of covid19 vaccinations based on estimates from [CDC's Vaccination Trends in the US](#)

[3] Persons vaccinated with at least one dose.

## Reported Deaths by Year, COVID19 vs. Flu Vaccines

Data Obtained from CDC's VAERS



## Vaccine Data by Manufacturer

Manufacturer	# of Deaths	% Deaths	Average Deaths/Day	# US Deaths	# US Doses Administered	Average US Deaths/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	2483	8.62%	5.37	1615	18,791,038	85.95	462	2/26/21
Moderna	7524	26.13%	14.14	5527	222,606,034	24.83	532	12/18/20
Pfizer/Biontech	18638	64.72%	34.58	6064	348,097,820	17.42	539	12/11/20
Unknown	152	0.53%		52	581,619			

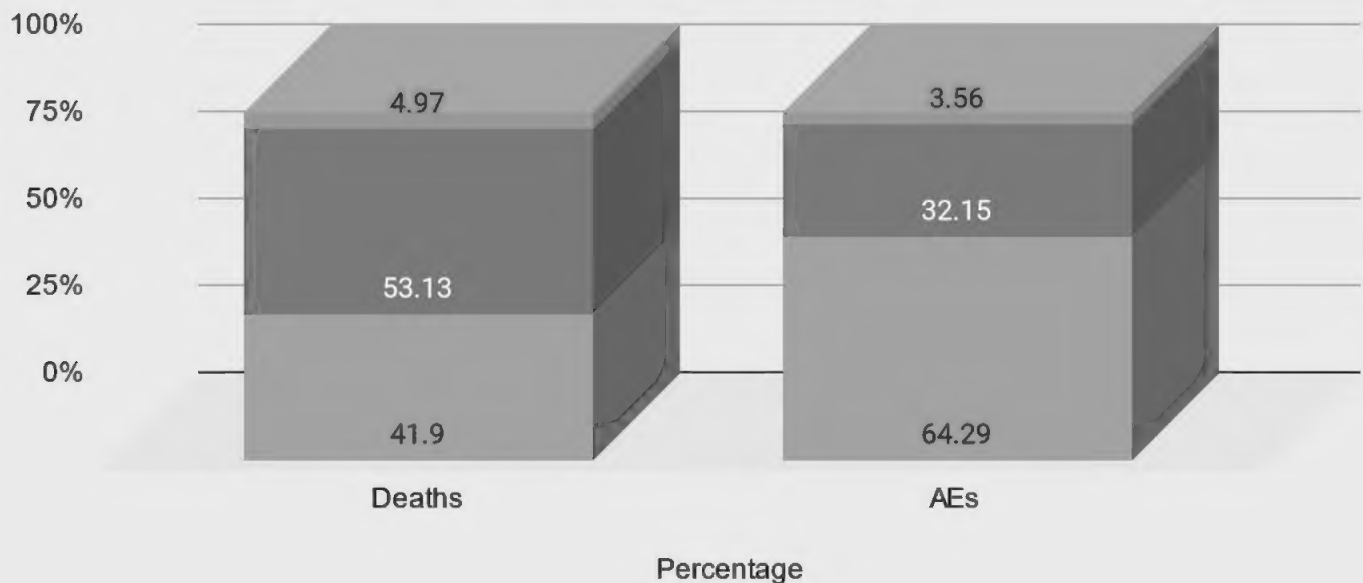
Manufacturer	# of AEs	% AEs	Average AEs/Day	# US AEs	# US Doses Administered	Average US AEs/Mill. Doses	Days since EUA approval	EUA Approval Date
Janssen (JNJ)	89167	6.86%	193	69291	18,791,038	3687.45	462	2/26/21
Moderna	451984	34.76%	849.59	378036	222,606,034	1698.23	532	12/18/20
Pfizer/Biontech	754158	58.01%	1399.18	381943	348,097,820	1097.23	539	12/11/20
Unknown	4819	0.37%		2461	581,619			

## Vaccine Data by Gender

### Gender Distribution of Reported Deaths and AEs after COVID19 Vaccination

All Data Obtained from CDC's VAERS

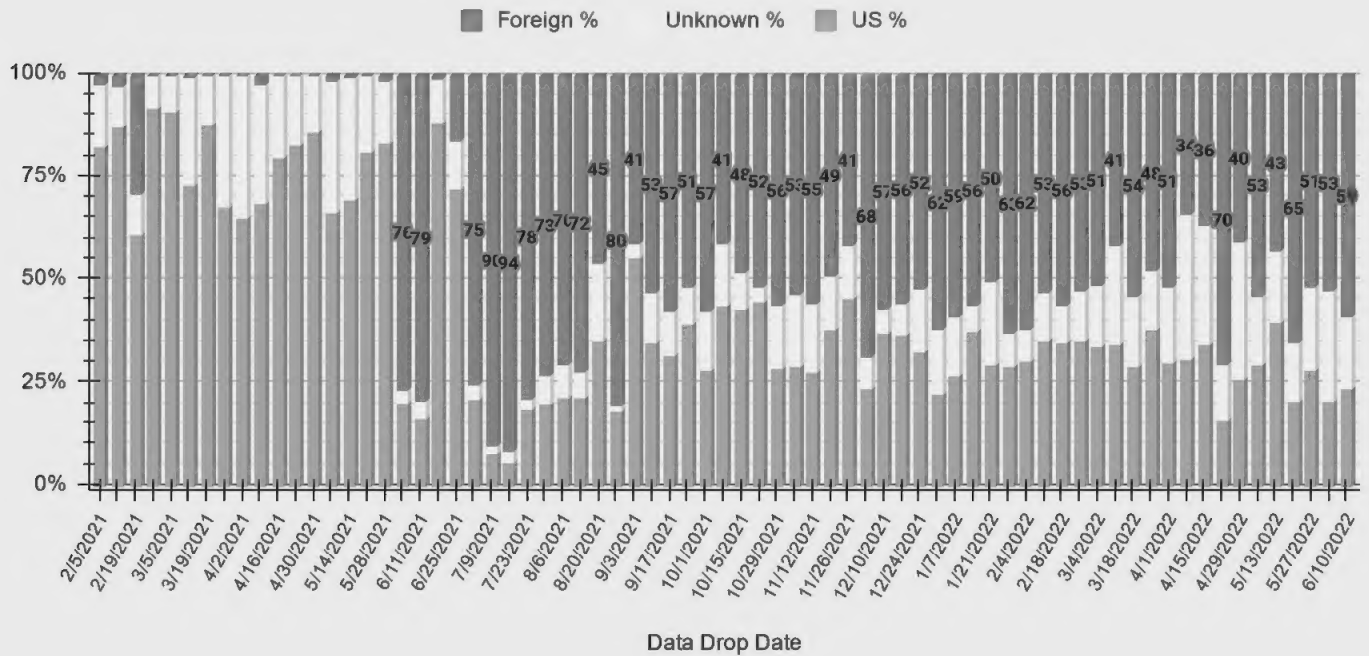
Unknown Male Female



## Vaccine Data by Location

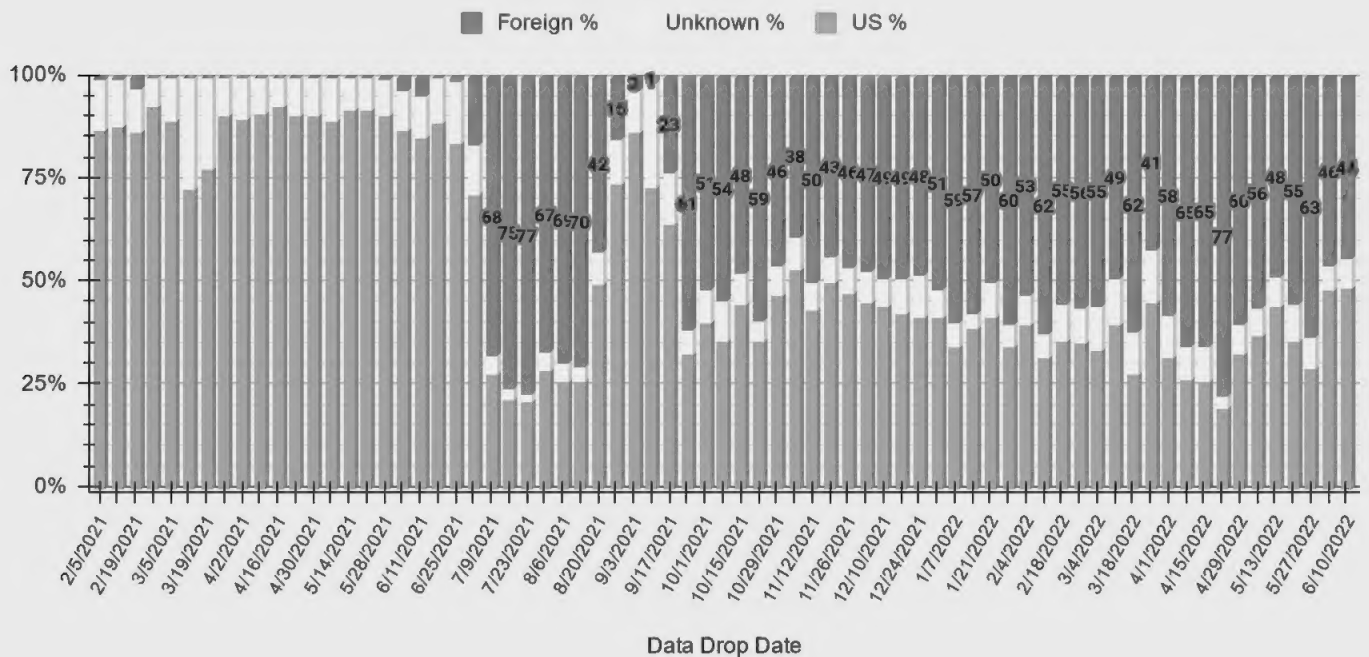
### Distribution by Location of Reported Deaths after COVID19 Vaccination

All Data Obtained from CDC's VAERS



### Distribution by Location of Reported Adverse Events after COVID19 Vaccination

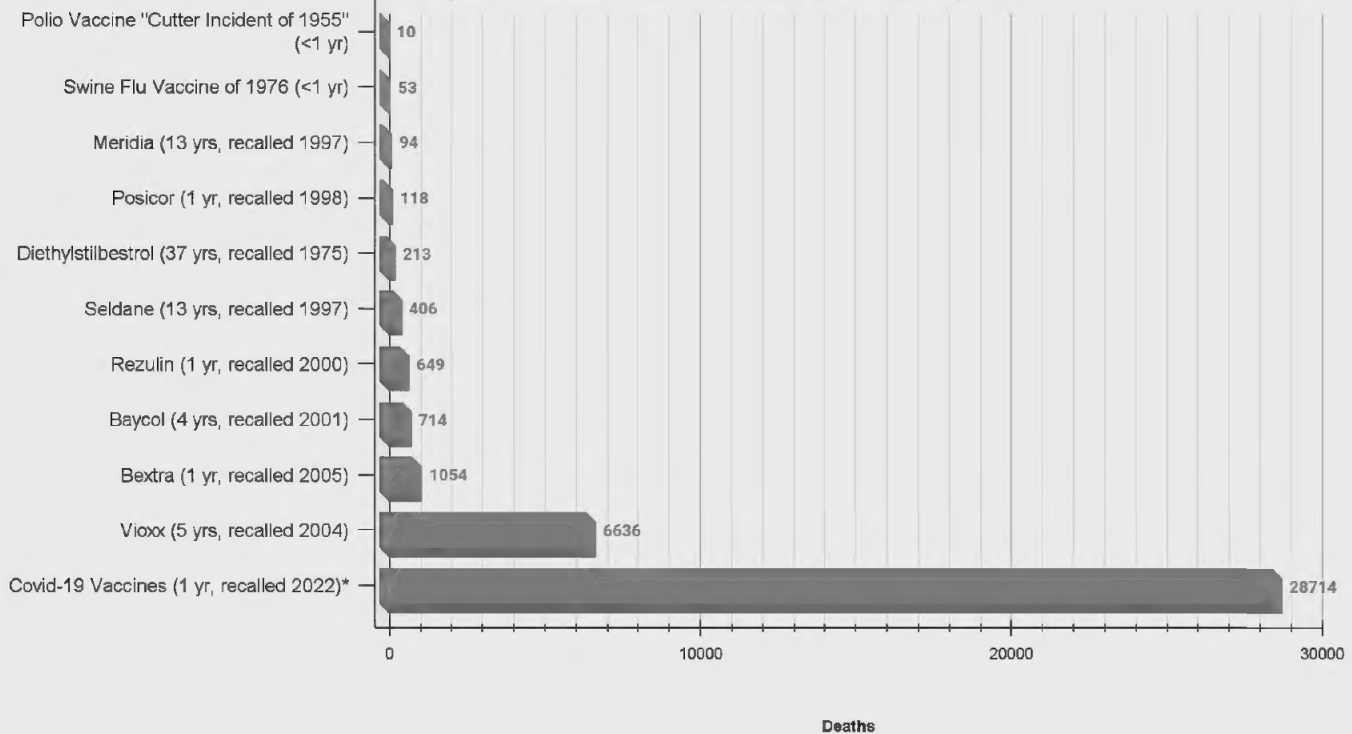
All Data Obtained from CDC's VAERS



## Recall History

### Reported Deaths for Major Drug/Vaccine Recalls

(Data Obtained from VAERS and FAERS)



\*Projected

## Sources

Visit: [vaersanalysis.info](https://vaersanalysis.info) for more information

1. Vaccine data (Covid-19 and other vaccines) taken from CDC's VAERS website, located here: <https://vaers.hhs.gov/data/datasets.html>. VAERS data sets in the form of csv files are pulled down weekly and put into a database for reporting/analysis. Data files are available all the way back to 1990.
2. Number of doses distributed for other vaccines found in NVICP Data and Statistics report here: <https://www.hrsa.gov/sites/default/files/hrsa/vaccine-compensation/data/data-statistics-report.pdf>
3. Numbers for Covid-19 vaccines administered by manufacturer found here: [https://covid.cdc.gov/covid-data-tracker/#vaccinations\\_vacc-total-admin-rate-total](https://covid.cdc.gov/covid-data-tracker/#vaccinations_vacc-total-admin-rate-total)
4. Numbers for total Covid-19 vaccine doses administered found here: <https://data.cdc.gov/Vaccinations/COVID-19-Vaccination-Trends-in-the-United-States-N/rh2h-3yt2>
5. Numbers for Flu vaccine doses administered for 2019-2020 season found here: <https://www.cdc.gov/flu/fluview/covaxview/covaxview-1920estimates.htm>
6. Numbers for FDA regulated drugs taken from FDA's FAERS website, located here: <https://www.fda.gov/drugs/questions-and-answers-fdas-adverse-event-reporting-system-faers/fda-adverse-event-reporting-system-faers-public-dashboard>